

ORDER FOR SUPPLIES OR SERVICES										PAGE 1 OF 8			
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. MDA972-01-D-0005			2. DELIVERY ORDER/ CALL NO. 0050		3. DATE OF ORDER/ CALL (YYYYMMDD) 20050816		4. REQ/ PURCH. REQUEST NO. See Schedule		5. PRIORITY				
6. ISSUED BY DARPA CMO ATTN: PATRICIA MATYSKIELA 3701 NORTH FAIRFAX DRIVE ARLINGTON VA 22203-1714			CODE HR0011		7. ADMINISTERED BY (If other than 6) DCMA MARYLAND 217 EAST REDWOOD STREET SUITE 1800 BALTIMORE MD 21202-6289			CODE S2101A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)			
9. CONTRACTOR NAME AND ADDRESS JOHNS HOPKINS UNIV/APL 11100 JOHNS HOPKINS ROAD LAUREL MD 20723-4099			CODE 88898		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
							12. DISCOUNT TERMS		13. MAIL INVOICE TO THE ADDRESS IN BLOCK See Item 15				
14. SHIP TO DARPA MS. KHINE LATT ATTN: ADVANCED TECHNOLOGY OFFICE 3701 NORTH FAIRFAX DRIVE ARLINGTON VA 22203-1714			CODE HR0011		15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P.O. BOX 182284 COLUMBUS OH 43218-2284			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL <input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract. Reference your quote dated _____ Furnish the following on terms specified herein. REF: _____									
<p style="text-align: center;">ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH AND AGREES TO PERFORM THE SAME.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>JHU-APL</p> <p>NAME OF CONTRACTOR</p> <p><input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1</p> </div> <div style="width: 40%; text-align: center;"> <p><i>[Signature]</i> Larry Kohlenstein, CFO</p> <p>SIGNATURE TYPED NAME AND TITLE</p> </div> <div style="width: 20%; text-align: right;"> <p>3/15/05</p> <p>DATE SIGNED (YYYYMMDD)</p> </div> </div>													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
<p>* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.</p>						24. UNITED STATES OF AMERICA TEL: _____ EMAIL: _____ BY: <i>[Signature]</i>		25. TOTAL 22,240,858.00		26. DIFFERENCES			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER			g. E-MAIL ADDRESS			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
38. I certify this account is correct and proper for payment.													
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER				31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER			
										35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
0001	Research & Development			\$2,240,858.00
	The Contractor shall furnish the necessary personnel, materials, facilities and other services as may be required to perform Contract Line Item Number (CLIN) 0001, 0003, in accordance with the Statement of Work, Attachment 1 hereto, and as specified in the Contractor's proposal entitled, "Station-Keeping Buoy," dated December 20, 2004, copies of which are in possession of both parties.			
	ACRN AA			\$2,240,858.00

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
0003	R&D Technical, Business Status & Final	\$0.00	\$0.00	\$0.00
	CPFF			NSP

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
0004	Station-Keeping Buoy			\$2,178,423.00

OPTION1- The Contractor shall furnish the necessary personnel, materials, facilities and other services as may be required to perform Contract Line Item Number (CLIN) 0001, 0003, in accordance with the Statement of Work, Attachment 1 hereto, and as specified in the Contractor's proposal entitled, "Station-Keeping Buoy," dated December 20, 2004, copies of which are in possession of both parties.

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
0005	R&D Technical, Business Status & Final	\$0.00	\$0.00	\$0.00
	OPTION 1			NSP

SECTION D Packaging and Marking**CLAUSES INCORPORATED BY FULL TEXT****D-1 Packaging and Marking**

All items shall be preserved, packaged, packed and marked in accordance with best commercial practices to meet the packing requirements of the carrier, and to ensure safe delivery at destination.

SECTION E Inspection and Acceptance

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
0003	Destination	Government	Destination	Government
OPTION1				
CLINS	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0004	Destination	Government	Destination	Government
0005	Destination	Government	estination	Government

SECTION F Deliveries or Performance**CLAUSES INCORPORATED BY FULL TEXT****F-1 Term of Contract**

The term of this task order commences on the effective date of the task order and continues through twelve (12) months thereafter. The Option 1, if exercised by the government, shall run twelve (12) months from date of execution.

F-2 Reports and Other Deliverables – JHU/APL shall submit the following reports:

CLIN	Description	Due Date
0003	Technical and Business Status Reports	30 days after the effective date of the Task Order and monthly thereafter
0003	Final Report	Upon Completion of Task Order
0005	Technical and Business Status Reports OPTION 1	30 days after the effective date of the Task Order Option 1 and monthly thereafter
0005	Final Report OPTION 1	Upon Completion of Task Order Option 1

F-3 Report Distribution**(a) DARPA/CMO**

Attn: Patricia S. Matyskiela, Contracting Officer
3701 North Fairfax Drive
Arlington, VA 22203-1714
Phone: (571) 218-4686
FAX: (703) 696-2208
Email: pmatyskiela@darpa.mil
(one copy each report)

(b) DARPA/ATO

Attn: Dr. Khine Latt, Program Manager
3701 North Fairfax Drive
Arlington, VA 22203-1714
Phone: (571) 218-4203
FAX: (703) 696-9781
Email: klatt@darpa.mil
(one copy each report)

(c) DARPA/ATO

Attn: Patrick Bailey, Assistant Director for Program Management
3701 North Fairfax Drive
Arlington, VA 22203-1714
Phone: (703) 696-5277
FAX: (703) 696-9781
Email: pbailey@darpa.mil
(one copy each report)

(c) DARPA/ATO

Attn: Cathy Fortier, Program Specialist Assistant
3701 North Fairfax Drive
Arlington, VA 22203-1714
Phone: (571) 218-4313
FAX: (703) 696-9781
Email: cfortier@darpa.mil
(one copy each report)

(e) DCMA/Maryland

Attn: Diane Rich, ACO
217 E. Redwood Street
Suite 1800
Baltimore, MD 21202-5299
Phone: (410) 962-9253
FAX: (401) 962-3405
Email: Joyce.Rich@dcma.mil
(one copy each report)

(f) DARPA/Library
3701 North Fairfax Drive
Arlington, VA 22203-1714
Email: library@darpa.mil
(One copy of the Final Technical Report)

(g) Defense Technical Information Center

(1) Email: TR@dtic.mil
OR

(2) Attn: DTIC-BCS
8725 John J. Kingman Road, Suite 0944
Fort Belvoir, VA 22060-0944
(two hard copies of the Final Technical Report if unclassified)

F-4 Notice Regarding Late Delivery

In the event the Contractor anticipates difficulty in complying with the contract delivery schedule, the Contractor shall immediately notify the Contracting Officer in writing, giving pertinent details, including the date by which it expects to make delivery; PROVIDED, however, that this date shall be informational only in character and the receipt thereof shall not be construed as a waiver by the Government of any contract delivery schedule, or any rights or remedies provided by law or under this contract.

SECTION G Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 9740400 1320 U014 P4B20 2525 DPAC 4 5586 S12136 63763E

AMOUNT: \$1,614,316 (U014/00)

AB 9750400 1320 U014 P5X20 2525 DPAC 5 5201 S12136 63766E

AMOUNT: \$626,542 (U014/01)

TOTAL AMOUNT: \$2,240,858

SECTION H Special Contract Requirements

CLAUSES INCORPORATED BY FULL TEXT

H-1 Contracting Officer

The Contracting Officer is the only individual authorized to redirect the effort or in any way amend or modify any of the terms of this Task Order. If, as a result of technical discussions, it is desirable to alter the Task Order obligations or statement of work, a modification must be issued in writing and signed by the Contracting Officer.

H-2 Travel

Travel costs in the amount of \$24,327 are authorized during the period of performance of the Basic Task Order.

Travel costs in the amount of \$30,462 for Option 1, if exercised by the government, shall be authorized during the period of performance of Option 1.

***NOTE:** The prime contractor may deviate +/- 20 percent from the individual values delineated above for travel without prior authorization from the DARPA Contracting Officer. In no event, however, will the contractor exceed the maximum value of this task order for the BASE effort.

Travel costs are authorized in accordance with the master IDIQ MDA972-01-D-0005 contract and the following:

- (a) Travel authorization changes shall be approved by the DARPA Contracting Officer.
- (b) Travel shall be approved in advance by the DARPA Program Manager.
- (c) Travel costs shall be reimbursed in accordance with applicable Federal Joint Travel Regulations and Federal Acquisition Regulation (FAR) 31.205-46.
- (d) Travel costs are authorized only to the minimum extent necessary to perform the objectives of the Task Order Statement of Work.
- (e) Travel costs for events not directly related to the Task Order Statement of Work (to include training, seminars, etc.) shall be approved in advance, in writing, by the DARPA Contracting Officer.
- (f) All foreign travel shall be authorized 30 days in advance and approved by the Administrative Contracting Officer.

H-3 Subcontracts

(a) Pursuant to FAR 44-202 and Subpart 52.244-2, the following subcontractors are approved under this Order.

Subcontractors Base**Estimate**

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Subcontractors Option 1 (If exercised)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

(b) Pursuant to FAR 44-202 and Subpart 52.244-2, the following subcontractor is approved under this Order subject to the concurrence of the ACO/Diane Rich/DCMA/Baltimore

Subcontractors Base**Estimate**

[REDACTED]

[REDACTED]

Subcontractors Option 1 (If exercised)



(c) The subcontractor's estimated price shall not exceed the total amount unless approval is coordinated with the Contracting Officer.

SECTION J List of Attachments

Attachment 1 – Statement of Work entitled, "Station-Keeping Buoy," dated February 14, 2004.

Statement of Work

Station-Keeping Buoy

This proposal is focused on developing and demonstrating an environmentally powered station-keeping buoy. The buoy package will unfold into a vessel that is capable of harvesting wind and solar energy and efficiently using the environmentally derived energy in a station-keeping mode. This statement of work outlines the developmental, integration and testing for design and development of a functional station-keeping buoy prototype. Designing, purchasing or developing appropriate assemblies and sensors per se is simply the first step in developing a station-keeping vessel. An iterative, build / test / build approach is envisioned to accomplish station-keeping. Once the initial design is determined and a prototype developed, a series of basin and at-sea tests are planned to refine the systems autonomous station-keeping ability.

In-addition, a high fidelity simulation model will be developed to determine the system's station-keeping ability as a function of design details. The model will utilize environmental inputs from the National Security Technology Department (NSTD) of the JHU/APL Environmental Support System climatological and sea test data archives, the Naval Climatology Data Center, the National Oceanographic Data Center and NAVOCEANO. Data from at-sea prototype testing will be fed back to refine the simulation model.

Phase 1 (Base) Statement of Work

1. Management and oversight
 - a. Review designs, subcontracts and prototype development
 - b. Develop and manage tests phases
 - c. Task budget management
2. Design system
 - a. Hull / sail
 - i. Determine technical constraints of system including size, shape, power consumption, weight, packaging capability, wind harvesting ability
 - ii. Utilize consultants to define hull and sail parameters
 - b. Power distribution system
 - i. Determine most suitable high energy density, rechargeable battery suites
 - ii. Develop battery charging circuitry to harvest energy from solar cells and thruster-based water turbine
 - iii. Develop power distribution system to all motor controllers and thruster
 - c. Controls systems
 - i. Develop control system algorithms for autonomous sail control
 - ii. Design / determine control system hardware (mechanical and electronic)
 - d. Sensor development
 - i. Determine sensors required for station-keeping operation
 - ii. Evaluate suitability of available sensors

- e. Solar system – Evaluate available solar panels; specifically, flexibility (to package in a standard buoy) and derived energy density
- f. Thruster
 - i. Subcontract with TSL Technology to develop asymmetric thruster
 - 1. Size versus efficiency (design only in phase 1)
 - 2. Thruster utilized as a water turbine (lab testing only in phase 1)
- g. Mechanical structure- Design basic structure
 - 1. Structural assembly for all major sub-systems
 - 2. Flexible packaging links
- 3. Characterize environmental parameters
 - a. Utilize in simulation model
 - b. Determine design requirement and develop prototype
- 4. Develop high fidelity simulation model
 - a. Utilize environmental inputs from multiple locations
 - b. Determine station-keeping performance as a function of design
 - c. Quantify hydrophone performance
- 5. Prototype development
 - a. Hull / sail – Build 1 or 2 most promising hull shapes from the design phase
 - b. Power distribution system
 - i. Select batteries
 - ii. Build charging circuit
 - iii. Build electronic link between batteries, thruster and motors
 - c. Control systems
 - i. Build prototype control circuitry
 - ii. Write version 1 autonomous sailing software
 - d. Solar system – Select, modify and mount solar panels
 - e. Thruster
 - i. Lab-tested TSL prototype sent to APL
 - ii. Thruster installation / testing
 - f. Incorporate GPS – required for station-keeping navigation
 - g. Documentation
 - i. Mechanical drawings
 - ii. Schematics
 - iii. Software documentation
- 6. Sub system testing
 - a. Laboratory testing of major subsystems
 - b. Near-by creek testing – Prototype system (essential sub-system testing)
 - i. Hull / sail, power system, controls, GPS and thruster
- 7. System Integration
 - a. Adjust / refine sub-systems based on Part 5 test results and integrate
- 8. Basin and at-sea testing
 - a. MAST trials – (4 day trial at Naval Surface Warfare Center/Carderock(NSWC-CD))
 - b. Near shore testing (R/V Chessie) – 2 trials planned

- c. Advanced near shore testing (R/V Chessie) – 2 trials planned (solar system and thruster
- 9. Phase 1 DARPA demonstration – Demonstrate station-keeping technology to maintain 250 m water radius over a 24 hr period
- 10. Prepare for and attend DARPA quarterly reviews

Phase 2 (Option 1) Statement of Work

1. Management and oversight
 - a. Review designs, subcontracts and prototype development
 - b. Develop and manage tests phases
 - c. Task budget management
2. Refine station-keeping technology designs or change techniques based on Phase 1 results: Sails / controls, GPS, Thruster, Solar, Battery Charging system
3. Replace insufficient energy harvesting equipment, lab testing, integration testing, near shore testing
4. Update simulation model – demonstrate endurance of one month.
 - a. Upgrade buoy model dynamics to six degrees of freedom
 - b. Conduct parametric design and performance studies
5. Incorporate energy harvesting techniques and refine system – Near shore testing(Chessie)
 - a. Sails / controls, GPS, Thruster as energy generator (water turbine), Solar – flexible panels for packaging and battery charging system
6. Lab / at sea testing – System refinements (Mk 2)
 - a. Sails / controls, GPS, Thruster as energy generator (water turbine), Solar – flexible panels for packaging and Battery charging system
7. Prepare and attend DARPA quarterly reviews
8. Prepare Phase 3 proposal
9. DARPA Phase 2 demonstration - Demonstrate station-keeping and energy-harvesting technologies to maintain 250 m water radius over a 7 day period.

Deliverables

Phase I (Base) Deliverables

Quarterly status reports

Quarterly financial reports

A final report that summarizes the project and tasking involved at the conclusion of Phase 1 performance period.



Phase 2 (Option 1) Deliverables

Quarterly status reports

Quarterly financial reports

Prototype hardware (as required) and a level 2A drawing package

A final report that summarizes the project and tasking involved at the conclusion of Phase 2 performance period.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE U		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 01		3. EFFECTIVE DATE 04/20/2005		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO. (If applicable)	
6. ISSUED BY DARPA CMO ATTN: PATRICIA MATYSKIELA 3701 NORTH FAIRFAX DRIVE ARLINGTON VA 22203-1714		CODE HR0011		7. ADMINISTERED BY (If other than item 6) DCMA MARYLAND 217 EAST REDWOOD STREET SUITE 1800 BALTIMORE MD 21202-6288		CODE S2101A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) JOHNS HOPKINS UNIV/APL 11100 JOHNS HOPKINS ROAD LAUREL MD 20723-6099				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. MDA972-01-D-0005-0050			
				X 10B. DATED (SEE ITEM 13) 18-Mar-2005			
CODE 88898				FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer 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)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/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 FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: Janders05563 Correct Estimated Cost Plus Fixed Fee for Contract Line Item Number (CLIN) 0004.							
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) Nicholas J. Langhauser, CFO				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Patricia S. Matyskiela			
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)				15C. DATE SIGNED 4/20/05		16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	
						16C. DATE SIGNED 04/20/05	

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

The following items are applicable to this modification:

SECTION B - SUPPLIES OR SERVICES AND PRICES

The purpose of this modification is to correct Option 1 total and make administrative changes to ITEM NO 0004, Supplies/Services as follows:

DELETE

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
0004	Station Keeping Buoy			\$2,178,423.00
	OPTION1 - The contractor shall furnish the necessary personnel, materials, facilities and other services as may be required to perform contract Line Item Number (CLIN) 0001, 0003, in accordance with the Statement of Work, Attachment 1 hereto, and as specified in the Contractor's proposal entitled, "Station-Keeping Buoy," dated December 20, 2004, copies of which are in possession of both parties.			

INSERT

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
0004	Station Keeping Buoy			\$2,172,307.00
	OPTION 1 - The contractor shall furnish the necessary personnel, materials, facilities and other services as may be required to perform contract Line Item Number (CLIN) 0001, 0003, in accordance with the Statement of Work, Attachment 1 hereto, and as specified in the Contractor's proposal entitled, "Station-Keeping Buoy," dated December 20, 2004, copies of which are in possession of both parties. The contractor shall also furnish a prototype hardware (as required) and a level 2A drawing package as deliverables.			

Except as provided herein, all other terms and conditions of MDA972-01-D-0005/0053 remain unchanged and in full force and effect.