AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 7

2. AMENDMENT/MODIFICATION NO. 25

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. 1300697244

5. PROJECT NO. (If applicable)

6. ISSUED BY CODE N00014

Office of Naval Research
MIchael Lemon
Email: Michael.a.Lemon@navy.mil
875 North Randolph Street
703-696-3130
Arlington VA 22203

7. ADMINISTERED BY (If other than Item 6) CODE N66020

SCD- C
ONR REG ADMIN ATLANTA
ATLANTA REGION OFFICE
100 ALABAMA STREET SW SUITE 4R15
ATLANTA GA 30303-3104

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

ADVANCED TECHNOLOGY INTERNATIONAL
Attn: Chris Van Metre
315 Sigma Drive
Summerville SC 29483

CODE 1G3V8 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

x 10A. MODIFICATION OF CONTRACT/ORDER NO. N00014-14-D-0377 0004

10B. DATED (SEE ITEM 13) 06/05/2015

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 ACKNOWLEDGEMENT 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) Net Increase: $1.00
1781319 W3MT 255 00014 0 050120 2D 000000 A00004399944

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

CHECK ONE	
	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) Bilateral Modification IAW FAR 43.103(a); Changes Cost Reimbursement FAR 52.243-2 Alt V

E. IMPORTANT: Contractor ☐ is not ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to:
1) Expand Task Order 0004 to add project "Digital Problem Resolution" based on the Government's acceptance of the project plan dated December 19 2017 and associated cost budget;
2) Provide an increment of funds in the amount of $1;
3) Add a comprehensive table of projects and associated dollar values to Section C, ONR Clause 0095 entitled "Statement of Work;"
4) Replace the narrative listing in Section H, ONR Clause 0070 entitled, "Consent to Subcontract and/or Hire Consultants" with a comprehensive table under N00014-14-D-0377-0004.

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

15A. NAME AND TITLE OF SIGNER (Type or print) Scott A. Savole Sr. Vice President Contracts & Procurement

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mary Helen Dent

15B. CONTRACTOR/OFFEROR (b)(6) [redacted]

15C. DATE SIGNED 3/1/2018

16B. UNITED STATES OF AMERICA (b)(6) [redacted]
(Signature of Contracting Officer)

16C. DATE SIGNED 1 Mar 2018

NSN 7540-01-152-8070
Previous edition unusable

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

Section B - Supplies or Services/Prices was revised as follows.

1 - Supplies or Services/Prices was revised as follows.

Cost-Plus-Fixed-Fee CLINs/SLINs

Item/Sub Number	Description	Obligated Amount	Estimated Cost	Fixed Fee	Estimated Cost and Fixed Fee
0001	Navy ManTech Naval Shipbuilding and Advanced Manufacturing Center of Excellence (NSAM COE) Projects. PSC AE33	$0.00	$18,304,866.00	$183,048.00	$18,487,914.00
000101	ACRN AA: $500,000	$500,000.00			
000102	ACRN AA: $150,000	$150,000.00			
000103	ACRN AB: $1	$1.00			
000104	ACRN AC: $900,000	$900,000.00			
000105	ACRN AD: $100,000	$100,000.00			
000106	ACRN AC: $362,461	$362,461.00			
000107	ACRN AC: $325,531	$325,531.00			
000108	ACRN AC: $200,000	$200,000.00			
000109	ACRN AE: $200,000	$200,000.00			
000110	ACRN AF: $423,794	$423,794.00			
000111	ACRN AC: $200,000	$200,000.00			
000112	ACRN AE: $400,000	$400,000.00			
000113	ACRN AD: $200,000	$200,000.00			
000114	ACRN AG: $500,000	$500,000.00			
000115	ACRN AH: $191,206	$191,206.00			
000116	ACRN AJ: $595,347	$595,347.00			
000117	ACRN: AF $209,917	$209,917.00			
000118	ACRN: AH $125,000	$125,000.00			
000119	ACRN AD: $45,726	$45,726.00			
000120	ACRN AK: $500,000	$500,000.00			
000121	ACRN AL: $48,834	$48,834.00			
000122	ACRN AM: $1	$1.00			
000123	ACRN AN: $1,100,000	$1,100,000.00			
000124	ACRN AP: $1	$1.00			
000125	ACRN AQ: $1	$1.00			
000126	ACRN AR: $1	$1.00			
000127	ACRN AS: $1,491,095	$1,491,095.00			
000128	CANCELLED	$0.00			
000129	ACRN AT: $1,590,071	$1,590,071.00			
000130	ACRN AN $610,533	$610,533.00			
000131	ACRN AU: $703,492	$703,492.00			
000132	ACRN AU: $277,134	$277,134.00			
000133	ACRN AV: $1	$1.00			
000134	ACRN AN: $610,533	$0.00			
000135	ACRN AU: $703,492	$0.00			
000136	ACRN AU: $331,437	$0.00			
000137	ACRN AN: $336,711	$336,711.00			
000138	ACRN AW: $795,011	$795,011.00			
000139	ACRN AW: $547,281	$547,281.00			
000140	ACRN AW: $1,200,000	$1,200,000.00			
000141	ACRN AX: $1	$1.00			
Total Amount					**$18,487,914.00**

Section C - Description/Sepecifications was revised as follows.

1 - Statement of Work was revised as follows.

Summary of Clause Changes:

Clause 0095 is incorporated as follows:

ONR 0095 Statement of Work- Task Order

The research effort to be performed hereunder shall be subject to the requirements and standards contained in Exhibit A of the basic contract and the following paragraph.

The Contractor shall conduct the research effort under CLIN(s) 0001 in accordance with the individual project plans submitted by the contractor.

Project 1 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "High Deposition Submerged Arc Welding," dated 3 Oct 2014 (revised 18 Apr 2016 and 10 Feb 2017) and the associated cost budget (dated 29 Apr 2015, as revised on 10 Feb 2017 and as revised 12 Jan 2018) which are both hereby incorporated by reference.

Project 2 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Primer Thickness Measurement for Seam Validation and Supply Base Quality," dated 11 Feb 2015 (revised 14 Apr 2016) and the associated cost budget (revised) dated 5 Aug 2015 which are both hereby incorporated by reference.

Project 3 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Critical Resource Planning," dated 23 Jun 2015 and the associated cost budget (revised) dated 26 Aug 2015 which are both hereby incorporated by reference.

Project 4- The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Non-Contact Metrology," dated 29 Oct 2015 and the associated cost budget also dated 29 Oct 2015 (as revised 20 Apr 2016) which are both hereby incorporated by reference.

Project 5 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Optimized Lifting and Handling," dated 13 Aug 2015 and the associated cost budget dated 22 Jan 2016 which are both hereby incorporated by reference.

Project 6 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Mobile Computing Design Build Process," dated 10 Nov 2015 and the associated cost budget also dated 10 Nov 2015 which are both hereby incorporated by reference.

Project 7 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "F35 Assembly Metadata Integration" dated 22 Jul 2015 and the associated cost budget (revised) 25 Mar 2016 which are both hereby incorporated by reference.

Project 8 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Resource Availability" as a result of the Government's acceptance of the proposal dated 15 Dec 2016 and the associated cost budget (revised) 7 Apr 2016 which are both hereby incorporated by reference.

Project 9 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Induction Straightening" as a result of the Government's acceptance of the proposal dated 23 Nov 2015, associated cost budget (revised) 01 Jun 2016, and revised cost budget dated 12 Oct 2017 which are both hereby incorporated by reference.

Project 10 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Enhanced Task Assignment and Progressing" as a result of the Government's acceptance of the proposal dated 18 Dec 2015 and the associated cost budget (revised) 2 Jun 2016 which are both hereby incorporated by reference.

Project 11 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Electronic Weld Record System" as a result of the Government's acceptance of the proposal dated 30 Jun 2016 and the associated cost budget (revised) 26 Oct 2016 which are both hereby incorporated by reference.

Project 12 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Hybrid Laser Arc Welding (HLAW)" as a result of the Government's acceptance of the proposal dated 19 Aug 2016 and as revised 16 Nov 2017, and the associated cost budget (negotiated) 7 Dec 2016 which are both hereby incorporated by reference.

Project 13 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Digital Paint Tools and Process Optimization" dated 23 Aug 2016 and the associated cost budget also dated 23 Aug 2016, and as revised 18 Oct 2017, are both hereby incorporated by reference.

Project 14 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Tactical Information Planning System" dated 30 Sep 2016 and the associated cost budget also dated 30 Sep 2016 are both hereby incorporated by reference.

Project 15 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Sheet Metal Modernization" dated 5 Apr 2017 and the associated cost budget dated 3 Aug 2017 are both hereby incorporated by reference.

Project 16 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Digital Thread Shipbuilding - Supplier Interface" dated 12 Oct 2017 and the associated cost budget (revised) 8 Feb 2018 are both hereby incorporated by reference.

Project 17 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Digital Problem Resolution" dated 19 December 2017 and the associated cost budget dated 19 December 2017 are both incorporated by reference.

Project #	Project Title	Estimated Cost	Fixed Fee	Total CPFF
1	High Deposition Submerged Arc Welding	$1,476,084	$14,761	$1,490,845
2	Primer Thickness Measurement	$337,828	$3,378	$341,206
3	Critical Resource Planning	$520,329	$5,203	$525,532
4	Non-Contact Metrology	$375,500	$3,755	$379,255
5	Optimized Lifting & Handling	$792,744	$7,927	$800,671
6	Mobile Computing	$967,650	$9,676	$977,326
7	F35 Assembly Metadata Integration	$1,914,037	$19,140	$1,933,177
8	Resource Availability	$1,104,331	$11,043	$1,115,374
9	Induction Straightening	$1,986,418	$19,864	$2,006,282
10	Enhanced Task Assignment Progressing	$784,090	$7,841	$791,931
11	Electronic Weld Record	$954,333	$9,543	$963,876
12	Hybrid Laser Arc Welding	$2,293,401	$22,934	$2,316,335
13	Digital Paint Tools	$846,007	$8,461	$854,468
14	Tactical Information Planning System	$575,661	$5,757	$581,418
15	Sheet Metal Modernization	$1,026,740	$10,267	$1,037,007

16	Digital Thread Shipbuilding	$1,753,251	$17,533	$1,770,784
17	Digital Problem Resolution	$596,462	$5,965	$602,427

Section G - Contract Administration Data was revised as follows.

1 - Financial Accounting Data was revised as follows.

ACRN	List of Item/Sub Number (LI#)	Line of Accounting (LOA)	Obligated Amount - This Action	Obligated Amount-ACRN Total
AA	000101, 000102	1751319-W7KS-255-RA-G1G-0-068342-2D-01050-000-ATC0	$0.00	$650,000.00
AB	000103	1751319-W7KS-255-RA-G1G-0-068342-2D-01050-000-MST0	$0.00	$1.00
AC	000104, 000106, 000107, 000108, 000111	1761319 W3MT 255 00014 0 050120 2D 000000 A00003162376	$0.00	$1,987,992.00
AD	000105, 000113, 000119	1761319 W3MT 255 00014 0 050120 2D 000000 A00003239300	$0.00	$345,726.00
AE	000109, 000112	1761319 W3MT 255 00014 0 050120 2D 000000 A00003239044	$0.00	$600,000.00
AF	000110, 000117	1761319 W3MT 255 00014 0 050120 2D 000000 A00003239042	$0.00	$633,711.00
AG	000114	1761319 W3MT 255 00014 0 050120 2D 000000 A00003360585	$0.00	$500,000.00
AH	000115, 000118	1761319 W3MT 255 00014 0 050120 2D 000000 A00003257913	$0.00	$316,206.00
AJ	000116	1761319 W3MT 255 00014 0 050120 2D 000000 A00003239450	$0.00	$595,347.00
AK	000120	1761319 W3MT 255 00014 0 050120 2D 000000 A10003239300	$0.00	$500,000.00
AL	000121	1751319 W7KS 255 00014 0 050120 2D 000000 A00003566371	$0.00	$48,834.00
AM	000122	1761319 W3MT 255 00014 0 050120 2D 000000 A00003539657	$0.00	$1.00
AN	000123, 000130, 000134, 000137	1771319 W3MT 255 00014 0 050120 2D 000000 A10003566371	$0.00	$2,047,244.00
AP	000124	1761319 W3MT 255 00014 0 050120 2D 000000 A00003618300	$0.00	$1.00
AQ	000125	1761319 W3MT 255 00014 0 050120 2D 000000 A00003618524	$0.00	$1.00
AR	000126	1771319 W3MT 255 00014 0 050120 2D 000000 A00003706287	$0.00	$1.00
AS	000127, 000128	1771319 W3MT 255 0 00140 050120 2D 000000 A10003566371	$0.00	$1,491,095.00
AT	000129	1771319 W3MT 255 0 00140 050120 2D 000000 A20003566371	$0.00	$1,590,071.00
AU	000131, 000132, 000135, 000136	1771319 W3MT 255 00014 0 050120 2D 000000 A30003566371	$0.00	$980,626.00
AV	000133	1771319 W3MT 255 00014 0 050120 2D 000000 A00003968962	$0.00	$1.00
AW	000138, 000139, 000140	1781319 W3MT 255 00014 0 050120 2D 000000 A40003566371	$0.00	$2,542,292.00
AX	000141	1781319 W3MT 255 00014 0 050120 2D 000000 A00004399944	$1.00	$1.00

ACRN	List of Item/Sub Number (LI#)	Line of Accounting (LOA)	Obligated Amount - This Action	Obligated Amount-ACRN Total
Total Award Obligated Amount				$14,829,151.00

Clause ONR 0058 is incorporated as follows:

ONR 0058 Allotment of Funds

(a) It is hereby understood and agreed that this contract will not exceed a total amount of $18,487,914 including an estimated cost of $18,304,866 and a fixed fee of $183,048.

(b) CLIN 0001 will not exceed a total amount of $18,487,914 including an estimated cost of $18,304,866 and a fixed fee of $183,048. The total amount presently available for payment and allotted to CLIN 0001 of this contract is $14,829,151 including an estimated cost of $14,693,615 and a fixed fee of $135,536. It is estimated that the amount allotted of $14,829,151 will cover the period from date of award through 30 Dec 2018.

Section H - Special Contract Requirements was revised as follows.

1 - Special Contract Requirements was revised as follows.

Summary of Clause Changes:

Clause 0070 is incorporated as follows:

ONR 0070 Consent to Subcontract and/or Hire Consultants

The services of the following subcontractors and/or consultants have been identified as necessary for the performance of this contract:

Project #	Project Title	Subcontractor	Estimated Cost	Fixed Fee	CPFF
1	High Deposition Submerged Arc Welding	Edison Welding Institute	$468,887	$32,820	$501,707
		Newport News Shipbuilding	$864,505	$60,160	$924,665
2	Primer Thickness Measurement	Lockheed Martin	$305,068	$23,361	$328,429
3	Critical Resource Planning	Electric Boat	$472,971	$32,882	$505,853
4	Non-Contact Metrology	Newport News Shipbuilding	$341,229	$23,824	$365,053
5	Optimized Lifting & Handling	Ingalls Shipbuilding	$720,303	$50,386	$770,689
6	Mobile Computing	Electric Boat	$879,388	$61,341	$940,729
7	F35 Assembly Metadata Integration	Northrop Grumman	$1,739,311	$121,475	$1,860,786
8	Resource Availability	Ingalls Shipbuilding	$1,003,443	$70,163	$1,073,606
9	Induction Straightening	Newport News	$867,960	$60,374	$928,334

		Shipbuilding			
		Edison Welding Institute	$950,038	$55,037	$1,005,075
10	Enhanced Task Assignment Progressing	Ingalls Shipbuilding	$713,926	$49,943	$763,869
11	Electronic Weld Record	Newport News Shipbuilding	$865,027	$64,694	$929,721
12	Hybrid Laser Arc Welding	Ingalls Shipbuilding	$699,974	$48,735	$748,709
		Edison Welding Institute	$1,394,244	$91,302	$1,485,546
13	Digital Paint Tools	Ingalls Shipbuilding	$779,643	$45,015	$824,658
14	Tactical Information Planning System	Ingalls Shipbuilding	$522,363	$38,452	$560,815
15	Sheet Metal Modernization	Electric Boat	$935,110	$65,150	$1,000,260
16	Digital Thread Shipbuilding	Newport News Shipbuilding	$1,595,452	$117,780	$1,713,232
17	Digital Problem Resolution	Newport News Shipbuilding	$543,269	$39,579	$582,848

The preceding listing of subcontracts were evaluated during negotiations as required by Paragraph (j) of the contract clause at FAR 52.244-2 entitled "Subcontracts" and therefore do not require consent in accordance with paragraphs (c) and (e) of the Subcontracts clause. This consent is based upon the information submitted by the prime contractor in accordance with FAR 52.244-2 (e) (1) (i) through (vii). For additional subcontracts beyond those listed above, the Contracting Officer's written consent to subcontract is only required in accordance with Paragraphs (b), (c), and (d) of FAR 52.244-2.

Except as modified herein, all other terms and conditions remain the same and unchanged under award number N00014-14-D-0377-0004.