

DELIVERY ORDER

FINAL

1. CONTRACT NO. N00178-04-D-4141	2. DELIVERY ORDER NO. 000203	3. EFFECTIVE DATE ORIG 05/23/2005 MOD 07/26/2005	4. PURCHASE REQUEST NO. N00174-05-MR-01405
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5. ISSUED BY NSWC, INDIAN HEAD DIVISION Donna M Chaney 1141A 101 Strauss Ave., Bldg 1558 Indian Head, MD 20640-5035 donna.chaney@navy.mil 301-744-6656 Ext.	CODE N00174	6. ADMINISTERED BY DCMA ORLANDO 3555 MAGUIRE BLVD. ORLANDO, FL 32803-3726	CODE S1002A
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7. CONTRACTOR Coalescent Technologies 731 N. Garland Avenue Orlando, FL 32801-1002 TIN: 59-3395628	CODE 1CED4	FACILITY	8. DELIVERY DATE See Section F
			9. CLOSING DATE/TIME
			SET ASIDE TYPE
			10. MAIL INVOICES TO See Section G

11. SHIP TO See Section D	12. PAYMENT WILL BE MADE BY DFAS Columbus Center, South Entitlement Operations P.O. Box 182264 Columbus, OH 43213	CODE HQ0338
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13. TYPE OF ORDER	D	X	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above-numbered contract.
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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.

Coalescent Technologies

Wendy Cornwall,
Manager of Contracts

NAME OF CONTRACTOR

SIGNATURE

TYPED NAME AND TITLE

DATE SIGNED

14. ACCOUNTING AND APPROPRIATION DATA

See Section G

15. ITEM NO.	16. SCHEDULE OF SUPPLIES/SERVICES	17. QUANTITY ORDERED/ACCEPTED*	18. UNIT	19. UNIT PRICE	20. AMOUNT
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See the Following Pages

*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.	21. UNITED STATES OF AMERICA By: Penny S. Kennedy CONTRACTING/ORDERING OFFICER	07/26/2005	22. TOTAL \$14,194,647
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SECTION	DESCRIPTION	SECTION	DESCRIPTION
B	SUPPLIES OR SERVICES AND PRICES/COSTS	H	SPECIAL CONTRACT REQUIREMENTS
C	DESCRIPTION/SPECS/WORK STATEMENT	I	CONTRACT CLAUSES
D	PACKAGING AND MARKING	J	LIST OF ATTACHMENTS
E	INSPECTION AND ACCEPTANCE		
F	DELIVERIES OR PERFORMANCE		
G	CONTRACT ADMINISTRATION DATA		

THE PURPOSE OF THIS MODIFICATION IS TO ADD INCREMENTAL FUNDING TO TASK ORDER 0002, TO EXERCISE OPTION CLINS 0001BA AND 0003BA, TO INCORPORATE A DD254 CONTRACT SECURITY CLASSIFICATION SPECIFICATION INTO SECTION J FOR TASK ORDER 0002 AND TO MAKE A CORRECTION TO MODIFICATION 02.

A CONFORMED COPY OF THE TASK ORDER IS ATTACHED TO THIS MODIFICATION FOR INFORMATION.

1. THE TASK ORDER INCREMENTAL FUNDING IS INCREASED:

BY: \$ 327,461.11

FROM: \$6,679,812.00

TO: \$7,007,273.11

NAVASEA 5252.232-9104 ALLOTMENT OF FUNDS (MAY 1993)

(a) THIS CONTRACT IS INCREMENTALLY FUNDED WITH RESPECT TO BOTH COST AND FEE. THE AMOUNT(S) PRESENTLY AVAILABLE AND ALLOTTED TO THIS CONTRACT FOR PAYMENT OF FEE FOR INCREMENTALLY FUNDED CONTRACT LINE ITEMS NUMBER/CONTRACT SUBLINE ITEM NUMBER (CLIN/SLIN), SUBJECT TO THE CLAUSE ENTITLED "FIXED FEE"

(FAR 52.216-8) OR "INCENTIVE FEE" (FAR 52.216-10), AS APPROPRIATE, IS SPECIFIED BELOW. THE AMOUNT(S) PRESENTLY AVAILABLE AND ALLOTTED TO THIS CONTRACT FOR PAYMENT OF COST FOR INCREMENTALLY FUNDED CLINs/SLINs IS SET FORTH BELOW. AS PROVIDED IN THE CLAUSE OF THIS CONTRACT "LIMITATION OF FUNDS" (FAR 52.232-22), THE CLIN/SLINs COVERED THEREBY, AND THE PERIOD OF PERFORMANCE FOR WHICH IT IS ESTIMATED THE ALLOTTED AMOUNT(S) WILL COVER ARE AS FOLLOWS: CLIN 0003, AND COVERS A PERIOD OF PERFORMANCE THRU

31 DEC 2005.

2. SECTION A – NO CHANGE

3. SECTION B – THE FOLLOWING INFORMATIONAL SUBCLINS ARE INCORPORATED INTO THE TASK ORDER.

000316

REQUISITION # 63632-5192-1514 AMOUNT: \$158,203.42

CUSTOMER: NSWC IHD ACRN: AS

FUND DOCUMENT: N6615605WX53012

00017

REQUISITION #63632-5192-1515 AMOUNT: \$8,542.98

CUSTOMER: NSWC IHD ACRN:AT

FUND DOCUMENT: JON3C1A632

000318

REQUISITION #13138-5193-1629 AMOUNT: \$24,031.71

CUSTOMER: MARINE CORPS. ACRN: AU

FUND DOCUMENT #M6785405RC9X945

000319

REQUISITION #13138-5193-1657 AMOUNT: \$58,537.00

CUSTOMER: US ARMY RDECOM ACRN: AV

FUND DOSUMENT #MIPR5JRU4EA440

000320

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REQUISITION #13138-5193-1658 AMOUNT: \$41,951.00

CUSTOMER: ONR ACRN: AW

FUND DOCUMENT #N0001405WX21016

000321

REQUISITION #13138-5193-1667 AMOUNT: \$36,195.00

CUSTOMER: ONR ACRN: AX

FUND DOCUMENT #N0001405WX21017

THIS MODIFICATION IS ALSO EXERCISING THE OPTION FOR CLINS 0001BA AND 0003BA. THE CEILING AMOUNT FOR CLIN 0001BA IS \$4,491,168.00 AND THE CEILING AMOUNT FOR CLIN 0003BA IS \$2,687,959.00.

4. SECTION C: NO CHANGE

5. SECTION D: NO CHANGE

6. SECTION E: NO CHANGE

7. SECTION F: NO CHANGE

8. SECTION G:

(a) SPECIAL PAY INSTRUCTIONS: PAYMENT SHALL BE IN ACCORDANCE WITH ACRNS ON THE INVOICES.

(b) THE FOLLOWING LINES OF ACCOUNTING ARE INCORPORATED INTO THE TASK ORDER FOR THE INCREMENTAL FUNDING INCREASE.

AS 1751507 82FU 000 W5S4X 0 068342 2D 000000 FUCA10000010 \$158,203.42

REQN #: 63632-5192-1514

CUSTOMER: NSWC IHD/ACRN ON FUNDING DOCUMENT AA

FUND DOCUMENT: N6615605WX53012

AT 97X4930 NH1F 000 77777 0 000174 2F 000174 636323C1A632 \$8,542.98

REQUISITION #63632-5192-1515

CUSTOMER: NSWC IHD ACRN:AT

FUND DOCUMENT: JON3C1A632

AU 1751106 27M0 260 67854 067443 2D M67854 TS9X5RC9X945 \$24,031.71

REQUISITION #13138-5193-1629

CUSTOMER: MARINE CORPS/ACRN ON FUNDING DOCUMENT AA

FUND DOCUMENT #M6785405RC9X945

AV 2152040 6N 6N7H P6223032140111 255Y S01021 CRN: MIPR5JRU4EA440 JONO: 5RU4EA CC: RU000 MRRN: RU5121401 \$58,537.00

REQUISITION #13138-5193-1657

CUSTOMER: US ARMY RDECOM/ACRN ON FUNDING DOCUMENT AA

FUND DOCUMENT #MIPR5JRU4EA440

AW 1751319 W3DJ 000 RA353 0 068342 2D 000000 02911000GAH0 \$41,951.00

REQUISITION #13138-5193-1658

CUSTOMER: ONR/ACRN ON FUNDING DOCUMENT AA

FUND DOCUMENT #N0001405WX21016

AX 1751319 W2DA 000 RA353 0 068342 2D 000000 02911000NW20 \$36,195.00

REQUISITION #13138-5193-1667

CUSTOMER: ONR/ACRN ON FUNDING DOCUMENT AA

FUND DOCUMENT #N0001405WX21017

MOD 02 , PAGE 3, ITEM (3) IS CORRECTED AS FOLLOWS:

THE CEILING ON CLIN 0001AA IS CORRECTED TO READ \$4,329,783.00 (CLIN 0001 WAS FULLY FUNDED UNDER MOD 01)

THE CEILING ON CLIN 0003AA IS CORRECTED TO READ \$2,685,737.00, AND THE TOTAL CLIN FUNDING IS \$2,677,490.11.

THE FOLLOWING IS A SUMMARY OF FUNDING TO DATE:

THE CEILING ON CLIN 0001AA IS \$4,329,783.00.00. THE TOTAL CLIN FUNDING IS \$4,329,783.00.

CEILING: \$4,329,783.00

FUNDED: \$4,329,783.00

BALANCE TO BE FUNDED: \$0.00

THE CEILING ON CLIN 0003AA IS \$2,685,737.00.00. THE TOTAL CLIN FUNDING IS \$2,677,490.11.

CEILING: \$2,685,737.00

FUNDED: \$2,677,490.11

BALANCE TO BE FUNDED: \$ 8,246.89

THE NEW TOTAL CEILING FOR TASK ORDER 0002 IS \$14,194,647.00

8. SECTION H: NO CHANGE

9. SECTION I: NO CHANGE

10. SECTION J: DD254 IS HEREBY INCORPORATED INTO AND MADE A PART OF THIS CONTRACT.

CONTRACTOR'S STATEMENT OF RELEASE

THE PARTIES AGREE THAT PAYMENT TO THE CONTRACTOR IN THE AMOUNT OF \$327,461.11 FOR INCREMENTAL FUNDING CONSTITUTES ADEQUATE CONSIDERATION FOR THE ABOVE CHANGES TO THE CONTRACT. THE CONTRACTOR WAIVES ALL RIGHT, TITLE AND INTEREST, IF ANY, TO FURTHER EQUITABLE ADJUSTMENTS ARISING UNDER THIS MODIFICATION.

DIRECT ANY QUESTIONS REGARDING THIS MODIFICATION TO DONNA M. CHANEY AT (301) 744-6656 OR VIA E-MAIL TO DONNA.CHANEY@NAVY.MIL

SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

0001 \$23,245,710

Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
000101	INCREMENTAL FUNDING ONLY (OTHER)		1.0 Lot	\$0	\$0	\$0

Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
000102	INCREMENTAL FUNDING (OTHER)		1.0 Lot	\$0	\$0	\$0

Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
0001AA	Development and Support Services for Virtual Training Systems (OTHER)		1.0 Lot	\$4,084,701	\$245,082	\$4,329,783

Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
0001BA	Development and Support Services for Virtual Training Systems (TBD)		1.0 Lot	\$4,236,951	\$254,217	\$4,491,168

Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
0001CA	Development and Support Services for Virtual Training Systems (TBD) Option		1.0 Lot	\$4,384,784	\$263,087	\$4,647,871

Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
0001DA	Development and Support Services for Virtual Training Systems (TBD) Option		1.0 Lot	\$4,527,352	\$271,641	\$4,798,993

Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
0001EA	Development and Support Services for Virtual Training Systems (TBD) Option		1.0 Lot	\$4,696,127	\$281,768	\$4,977,895

For ODC Items:

Item	Supplies/Services	Qty	Unit	Est. Cost
0003				\$13,448,887
000301	INCREMENTAL FUNDING ONLY (OTHER)		1.0 Lot	\$0
000302	INCREMENTAL FUNDING ONLY (OTHER)		1.0 Lot	\$0
000303	INCREMENTAL FUNDING ONLY		1.0 Lot	\$0

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(OTHER)			
000304 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000305 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000306 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000307 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000308 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000309 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000310 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000311 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000312 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000313 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000314 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000315 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000316 Incremental Funding Only (OTHER)	1.0 Lot	\$0	
000317 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000318 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000319 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000320 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
000321 INCREMENTAL FUNDING ONLY (OTHER)	1.0 Lot	\$0	
0003AA Development and Support Services for Virtual Training Systems NTE \$2,685,736.71 (TBD)	1.0 Lot	\$2,685,737	
0003BA Development and Support Services for Virtual Training Systems, NTE 2,687,959.17 (TBD)	1.0 Lot	\$2,687,959	

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0003CA Development and Support Services for Virtual Training Systems, NTE2,689,869.58 (TBD) Option	1.0 Lot	\$2,689,870
0003DA Development and Support Services for Virtual Training Systems, NTE \$2,691,429.26 (TBD) Option	1.0 Lot	\$2,691,429
0003EA Development and Support Services for Virtual Training Systems, NTE \$2,693,892.27 (TBD) Option	1.0 Lot	\$2,693,892

TASK ORDER MANAGER (TOM)

(a) The Task Order Manager for this task order is:

Name: Joe McClure Mailing Address: 101 Strauss Ave

Code: 138A Telephone No.(301) 744-4628 x276

(b) The Alternate TOM for this contract is:

Name: Mailing Address:

Code: Telephone No.

(c) The TOM will act as the Contracting Officer's representative for technical matters, providing technical direction and discussion, as necessary, with respect to the specification or statement of work, and monitoring the progress and quality of contractor performance. The TOM is not an Administrative Contracting Officer and does not have authority to direct the accomplishment of effort which is beyond the scope of the statement of work in the task order.

(d) When, in the opinion of the contractor, the TOM requests effort outside the existing scope of the task order, the contractor shall promptly notify the contracting officer (or ordering officer) in writing. No action shall be taken by the contractor under such direction until the contracting officer has issued a modification to the task order, until the ordering officer has issued a modification to the task order; or until the issue has been otherwise resolved.

(e) In the event that the TOM named above is absent due to leave, illness or official business, all responsibility and functions assigned to the TOM will be the responsibility of the alternate TOM.

SUBMISSION OF INVOICES (COST-REIMBURSEMENT, TIME-AND-MATERIALS, LABOR-HOUR, OR FIXED PRICE INCENTIVE) (JUL 1992)

(a) "Invoice" as used in this clause includes contractor requests for interim

payments using public vouchers (SF 1034) but does not include contractor requests for progress payments under fixed price incentive contracts.

(b) The Contractor shall submit invoices and any necessary supporting documentation, in an original and copies, to the contract auditor* at the following address:

unless delivery orders are applicable, in which case invoices will be segregated by individual order and submitted to the address specified in the order. In addition, an information copy shall be submitted to the TOM and NAVSEA INDIAN HEAD, Comptroller Code 021. Following verification, the contract auditor* will forward the invoice to the designated payment office for payment in the amount determined to be owing,

in accordance with the applicable payment (and fee) clause(s) of this contract.

(c) Invoices requesting interim payments shall be submitted no more than once every two weeks, unless another time period is specified in the Payments clause of this contract. For indefinite delivery type contracts, interim payment invoices shall be submitted no more than once every two weeks for each delivery order. There shall be a lapse of no more than calendar days between performance and submission of an interim payment invoice..

(d) In addition to the information identified in the Prompt Payment clause herein, each invoice shall contain the following information, as applicable:

- (1) Contract line item number (CLIN)
- (2) Subline item number (SLIN)
- (3) Accounting Classification Reference Number (ACRN)
- (4) Payment terms
- (5) Procuring activity
- (6) Date supplies provided or services performed
- (7) Costs incurred and allowable under the contract
- (8) Vessel (e.g., ship, submarine or other craft) or system for which supply/service is provided

(e) A DD Form 250, "Material Inspection and Receiving Report", is required with each invoice submittal.

XX is required only with the final invoice.

is not required.

(f) A Certificate of Performance shall be provided with each invoice submittal.

XX is not required.

(g) The Contractor's final invoice shall be identified as such, and shall list all other invoices (if any) previously tendered under this contract.

(h) Costs of performance shall be segregated, accumulated and invoiced to the

appropriate ACRN categories to the extent possible. When such segregation of costs by ACRN is not possible for invoices submitted with CLINS/SLINS with more than one ACRN, an allocation ratio shall be established in the same ratio as the obligations cited in the accounting data so that costs are allocated on a proportional basis.

SECTION C DESCRIPTIONS AND SPECIFICATIONS

PERFORMANCE BASED

DEVELOPMENT AND SUPPORT SERVICES

for

VIRTUAL TRAINING SYSTEMS

1.0 GENERAL

1.1 Introduction

The Indian Head Division, Naval Surface Warfare Center (IHD/NSWC) requires assistance in the development and support of virtual training systems to support various training needs of Joint and Service program offices, as well as other Federal Departments and Agencies. IHD/NSWC's customers have requirements for total quality management of training requirement documentation, acquisition, content development, courseware development, system manufacturing and/or development, and life cycle support for training systems.

Continuous visual database and image generation technology innovations have enabled rapid enhancements in Commercial Off The Shelf (COTS), Personal Computer (PC)- based synthetic training systems. A goal of this program is to leverage from these new technologies to develop COTS deployable training systems and Distance Learning (DL) centers. The intent is to provide warfighters with robust, virtual mission rehearsal and training systems. These systems must have a comprehensive mission editor, the ability to train and rehearse combat convoy and small unit operations, ability to vary environmental and terrain conditions, photo-realistic portrayal of weapon systems and vehicles, and After Action Reporting (AAR) capability. This generation of highly deployable and highly capable pc-based synthetic environment training systems will significantly improve the quality of training and thus the readiness of Joint forces through initial and sustainment training.

1.2 Scope

The scope of this task order is for the contractor to provide system engineering support, integration engineering support, content development, courseware development, training support, life cycle support, and documentation for synthetic pc-based training systems. General areas of work include:

- Integration engineering services for the Synthetic Environment and Data Representation and Interchange Specification (SEDRIS) that supports the standardization of visual databases for visual image generation in synthetic simulation and training.
- Overarching engineering support for the design, development, testing, and fielding of Joint synthetic training systems.
- Development and delivery of enhancements and add-on packages to Joint small unit cognitive skills pc-based synthetic training systems for additional functionality, including mission rehearsal and force protection operations support.
- Development of new interchangeable training models and simulation scenarios for joint synthetic training systems.
- Documentation development, equipment modifications, and installation services to provide training support to existing simulation labs and schools.
- Integration engineering and engineering management support for Automated Electronic Classrooms (AECs), Distance Learning (DL) labs and deployable DL equipment for joint synthetic training.
- Programmatic and Acquisition Management support to Government personnel and programs to assist in the development of management plans and strategies, milestone planning and tracking, evaluations of program schedules, and deliverable tracking.
- The development and delivery of training and technical support for the Joint Capabilities Integration and Development System (JCIDS) process.

2.0 APPLICABLE DOCUMENTS/REFERENCES

Unless otherwise specified, the following document listed forms a part of the Statement of Work and is to be used for general guidelines only.

· DON M&S Verification, Validation and Accreditation Implementation Handbook (April 2001)

3.0 REQUIREMENTS

3.1 Synthetic Environment Data Representation and Interchange Specification (SEDRIS) Support

The contractor shall provide the Government with systems engineering, modeling and technical documentation support for the continued development and enhancements to the Joint Synthetic Environment Data Representation and Interchange Specification (SEDRIS) program for all training systems with visual database representations. The contractor's support shall include:

3.1.1 The contractor shall provide the Government with scientific and systems engineering support at all SEDRIS conferences, all SEDRIS engineering meetings and teleconferences that are scheduled by the Government. This shall be expert support by experienced SEDRIS engineers, which have a detailed understanding of the current synthetic training environmental representation technologies, environmental coding specifications, and SEDRIS Transmittal Format (STF) for modeling and simulation applications. Technical reports shall be provided to the Government as required.

3.1.2 The contractor shall make refinements to the 3-D sample model and supporting materials, generate specific sample data sets showing other field specific data representation model (DRM) areas, and continue the development of the plug-in to allow for componentized transmittals and a more flexible interface. The contractor shall assist in the Environmental Representation Technology Area in coordinating an acceptable process for environmental representations in models and simulations.

3.1.3 The contractor shall provide training system engineering support for the editing of the SEDRIS Multi-part Standard; provide engineering support for the Language Binding Standards, and the environmental data coding specification (EDCS) standards. The contractor shall comment to the standards and attend International Standards Organization / International Electro-technical Commission (ISO/IEC) meetings; write assigned sections of the DRM and Interface Specification (API) standards, attend reviews, and write assigned sections to the SEDRIS Technology Standardization documents.

3.1.4 The contractor shall assist the Government in developing the necessary metadata record and access methodologies to maximize the use of metadata representation within the scope of the proposed Integrated Natural Environment Authoritative Representation Program for simulation system visual database compatibility.

3.2 Scientific, System Engineering and Technical Support for Synthetic Training Environments

The contractor shall provide the Government with scientific, system engineering and technical support for the modification and enhancement of joint synthetic training systems. This support shall be required to support the objectives of individual Joint, Service, and Agency program offices. Efforts shall consist of systems engineering and technical support services such as requirements and functional analysis, system design and system evaluation for the purpose of transforming system needs into a system of preferred system configurations and their related performance parameters. These efforts comprise a top-down, iterative systems engineering process that may be required during any phase of the system's life cycle. Engineering and development support will include system modifications, prototype and evaluation systems, the development of new systems, applied research, analysis of legacy systems, and the modification and modernization of existing military systems. Typical system engineering subtasks to support the development and modification of a commercial or military hardware/software system shall include:

3.2.1 Functional Requirements Decomposition: The contractor shall utilize the system engineering process to decompose functional requirements during the analysis phase.

3.2.2 Preliminary Design: The contractor shall use the approved system requirements and functionally allocate each system requirement to appropriate hardware and software solutions. Alternate solutions shall be identified and evaluated.

3.2.3 Architecture Development: Develop architectural documents that consist of process narrative, process flow maps, information exchange requirements (IERs) matrices, and stacked lists of source and receiver nodes.

3.2.4 Supportability Planning: Provide Life Cycle Cost and Supportability Analysis, as well as a plan for

maintenance and sparing.

3.3 Enhancements and Add-ons to Synthetic Training Systems

The contractor shall provide the Government with modifications and enhancements to pc-based small unit cognitive skills training systems to enhance Joint training effectiveness. This support shall include:

3.3.1 Development of models, missions, scenarios, and scripts to focus the training audience on mission planning and rehearsal actions.

3.3.2 Develop an enhanced force protection capability that will encompass rear-area security operations, convoy operations, port security, harbor security, airport security, naval at-sea force protection activities, and prisoner/refugee security operations.

3.3.3 Modifications and enhancements to the After Action Review (AAR) capability to facilitate dynamic 2D and 3D, and audio, recording and playback of missions immediately upon their conclusion.

3.3.4 Incorporating Distributed Interactive Simulation (DIS) / High Level Architecture compliance into the training systems.

3.4 Development of New Interchangeable Training Models and New Simulation Scenarios

The contractor shall provide the Government with systems engineering and modeling support for the development of interchangeable visual training models and simulation scenarios for joint synthetic training systems. This support shall include:

3.4.1 Design and develop synthetic terrains, models, and animations. The contractor shall develop synthetic wire-frame 3D models, the appropriate equations of motion, and at least seven (7) levels of representation (detail) for vehicles, weapons, and specific avatars as specified by the Government in the design reviews. These models shall be complete, error-free in their 3D visual representation, and be completely compatible with the common synthetic training environment.

3.4.2 Design, develop and deliver simulation scenarios. The contractor shall develop simulation scenarios and add-on packages for Joint sponsors. This content development shall consist of the following:

- Development of new scenarios using existing terrain models that focus on the dismounting of traditionally mounted troops and the continuation of the training mission. Scenarios will be developed in coordination with military Subject Matter Experts (SMEs).
- Development of scenarios focused on Force Protection, Rear Area Security, and Replenishment Operations. Scenarios will be designed to use geo-specific terrain databases and generic terrain models. Cultural features and non-combatants shall also be modeled and their behaviors simulated. Scenarios will be developed in association with military SMEs.
- Develop a specific scenario to be used for the visual identification (ID) of ground and air vehicles. Scenario will use existing terrain and 3D models of vehicles already developed. The instructor may edit which models are shown within the recognition scenario.

3.4.3 Within the Virtual Battlefield System training device, design and develop additional synthetic simulation features as required by Joint sponsors. These may include new terrains and cultural features, models and animations, missions and scenarios, and additional mechanisms to capture training results and feedback.

3.5 Training Support for Simulation Labs/ Schools

The contractor shall provide the Government with documentation development, equipment modifications, and installation services to provide training support to simulation labs and schools. This support shall include:

3.5.1 The contractor shall install new synthetic training system software as developed and required at existing Government simulation labs. The contractor shall ensure that software is updated to the current version and that all student and instructor stations are operating properly.

3.5.2 The contractor shall develop instructional courseware, as required, with material specialized to train the instructors on mission operation, modification of current training scenarios, development of new training scenarios, and advanced concepts in training lab operation.

3.5.3 The contractor shall perform synthetic training system installations on ships, new simulation labs and

individual locations as specified by the Government. Specific locations will be determined by the Government during formal design reviews, and approved for contractor installations.

3.5.4 The contractor shall develop training guides for use, as required, as read-ahead packages for personnel / units using Simulation Labs (SIMLABS) for training events. Subject guides will cover all current software packages available for use in training in the SIMLABS. The guide will present an overview of the Labs, operating procedures, software available, and the various scenarios available within each piece of software along with the associated Tactics, Techniques, & Procedures (TTP) tasks, conditions, and standards.

3.6 Distance Learning (DL) Planning, Execution, and Assessment

The contractor shall provide the Government with systems engineering, integration engineering and engineering management support to plan and execute joint synthetic training in Automated Electronic Classrooms (AECs), Distance Learning (DL) platforms, and deployable DL systems. This support shall include:

3.6.1 Develop final concepts of operation (CONOPs) plan with updates on the synthetic training project implementation, capabilities and responsibilities of each participant to include the effected operating forces, the technical process to be used for the development, delivery and disposition of training system hardware and software. The plan shall be forwarded to the Government for review and subsequent approval. The contractor shall maintain the document, issue change pages, and post revisions on the synthetic training system web site.

3.6.2 Develop training scenarios for Government sponsored DL applications. This shall include the development of DL Roadmaps, Technology Transition plans and full equipment disposition.

3.6.3 Develop and facilitate a Test and Evaluation Plan (TEP). The TEP will articulate synthetic training system project requirements and objectives, outline test scenarios for each DL application and DL training activity, state measures of effectiveness (MOE), measures of suitability (MOS), data collection technique, data analysis, and reporting. The plan shall be presented to the Government for review and approval.

3.6.4 Develop and facilitate government and contracted military and technical SMEs for scenario development, system implementation and assessment of synthetic training system in deployable and static AECs.

3.7 Programmatic and Acquisition Support

The contractor shall provide programmatic and acquisition support to Government personnel and programs. This support shall include:

3.7.1 Assist in the development of management plans and strategies, milestone planning and tracking, preparation of technical briefing materials in both hard copy and soft copy format, evaluations of program schedules, and deliverable tracking to include the planning, and/or reviewing of program data deliverables. The contractor may be required to organize, attend or host, and facilitate program meetings/IPT discussions as directed by the Government. The contractor shall assist in preparing and coordinating the agenda to key meetings, prepare presentation materials, and draft the minutes and action items for appropriate action. The Government will conduct reviews of the activities, provide technical direction, and approval of all major activities undertaken by the contractor.

3.7.2 Assist in developing or reviewing acquisition strategies; acquisition concept development; acquisition documentation; acquisition design, development, test or production documentation; acquisition budgetary or financial information. Assist in developing the strengths and weaknesses of various acquisition strategies and acquisition concepts, as well as the development of and/or reviewing request for proposal and program execution documents as directed.

3.7.3 Provide updates to the Government on changes in Requirements and Acquisition policy associated documentation required for major program milestones.

3.7.4 Provide acquisition support in coordinating multiple efforts across various branches of service, various program offices, supporting the acquisition IPT in formulating milestones, schedules, top-level system requirements, and combined acquisition strategy.

3.7.5 Assist with defining, developing, analyzing and monitoring program financial data such as reconciliation of Cost Performance Reports (CPRs) and Cost Schedule Status Reports (CSSRs).

3.7.6 Establish reliable and effective methods of communications for coordinating PM support via E mail,

high-speed data transfer, contractor-developed secure project web sites, 30 Hz Video Teleconferencing (VTC), voice, and fax.

3.7.7 Provide technical assistance in the development and operation of an internet-based collaborative work environment providing access to members of the IPT.

3.7.8 Provide issue resolution assistance between program management, requirements, oversight, test and evaluation, policy agencies, as well as contractors, as directed by the Government. This will include liaison with designated agencies, conducting research, and providing recommendations.

3.8 Joint Capabilities Integration and Development System (JCIDS) Process Training and Support

The contractor shall provide expert support in the Government's budgetary and requirements development process for Joint weapon system and subsystem acquisition. This shall include the development and delivery of customized training and technical support for the JCIDS process.

3.8.1 The contractor shall customize Joint Staff Instruction 3710.01C / JCIDS curriculum and courseware, and develop and/or modernize the associated computer-based and web-based training for specified JCIDS requirements and acquisition courses.

3.8.2 The contractor shall prepare and deliver beginner, intermediate, advanced, executive overview, and refresher courses for JCIDS, as well as on-call phone support with interactive courseware and Web-based courseware after the courses are delivered.

3.8.3 The contractor shall provide JCIDS support in the development of JCIDS products, such as: ICD, CDD, CPD documents, concepts, analyses, and assessments.

4.0 REPORTING REQUIREMENTS AND DELIVERABLES

4.1 The contractor shall submit monthly status reports. These reports shall include the following elements:

§ Contractor's name and address

§ Contractor number

§ Date of report

§ Period covered by report

§ Man hours expended by discipline for the reporting period, and cumulatively during the task order

§ Cost curves portraying actual/projected conditions through the task order

§ Cost incurred for the reporting period and total contractual expenditures as of report date

§ Description of progress made during period reported, including problem areas encountered, recommendations, if any for subsequent solution beyond the scope of this task order;

§ Trips and significant results; and

§ Plans for activities during the following period

4.2 The contractor shall provide such additional reporting, documentation, schedules, illustrations and drawings in a timely manner, as are requisites to the various task activities of the contract. Contractor shall provide a listing keyed to specific tasks identifying the minimum reporting deliverables associated with each task. Reporting should be in sufficient detail and of a quality to meet relevant ISO guidelines / standards and will include, but not be limited to:

- Technical reports, instructional/training documentation, courseware, data compilations, and data surveys, evaluations, and analyses
- Testing procedures, requirements, assessments, calibrations, and schedules
- Specifications, tabulations, engineering drawings, designs, concepts, diagrams, and circuits
- Maintenance requirements, guidelines, schedules, procedures, instructions, corrective actions, etc.
- Conference agenda, conference minutes, and presentation materials
- Purchase descriptions, proposals, equipment illustrations, program planning, support, and budget documentation and funding plans

5.0 GOVERNMENT FURNISHED EQUIPMENT (GFE)/ GOVERNMENT INFORMATION

The Government shall furnish the contractor with operational mission engineering data and Subject Matter Experts (SMEs) as required for the development of tactical synthetic warfare models and missions. The Government shall provide the use of the Government simulation labs during the period of installation of modified and updated software.

6.0 SECURITY

A SECRET security clearance is required at the time of contract award. All personnel proposed for this effort must be eligible for a SECRET clearance.

7.0 TRAVEL

The contractor may be required to travel in performance of this task order. Specific travel requirements will be negotiated as required. Costs associated with travel and lodging shall be reimbursed in accordance with the Federal Joint Travel Regulations (JTR).

8.0 DISCLAIMER STATEMENT

Any reports resulting from this contract shall contain the following disclaimer statement on the cover of such reports:

"The views, opinion and findings contained in this report are those of the author(s) and should not be construed as an official Department of Defense position, policy, or decision, unless so designated by other official documentation."

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SECTION D PACKAGING AND MARKING

SEE THE BASIC CONTRACT

SECTION E INSPECTION AND ACCEPTANCE

SEE THE BASIC CONTRACT

SECTION F DELIVERIES OR PERFORMANCE

The basic effort to be performed under this contract, shall be completed within a period of (12) months from the base year, with four (1) one year options to be exercised if deemed in the best interest of the government.

SECTION G CONTRACT ADMINISTRATION DATA

Accounting Data

SLINID	PR Number	Incremental Amount
000101	1313851363236	1054000.00
LLA :		
AA 2152065 18-1004 0000 115G22.00 MI 2515 W8AYAA WCLS EMAJ49 S04376		
000102	13138 51474331	3275783.00
LLA :		
AB 21 52033 00000 55R5R02 P311069-31E9 S20113		
0001AA	13138 /51363236 MIPR5D	1054000.00
LLA :		
AA 2152065 18-1004 0000 115G22.00 MI 2515 W8AYAA WCLS EMAJ49 S04376		
0001AA		(1054000.00)
LLA :		
AA 2152065 18-1004 0000 115G22.00 MI 2515 W8AYAA WCLS EMAJ49 S04376		
000301	13138 51534768	123550.00
LLA :		
AB 21 52033 00000 55R5R02 P311069-31E9 S20113		
000302	13138 51534787	242041.00
LLA :		
AC 1751804 60CA 250 00060 T 068732 2D X001FN 3792A5HQVSWQ		
000303		499927.00
LLA :		
AD 9750400 1320 U742 P5G10 2525 DPAM 5 6487 62702E S12136		
000304	1313851534796	308716.00
LLA :		
See Section G for complete line of accounting		
000305	1313851534798	279184.00
LLA :		
See Section G for complete line of accounting		
000306	1313851657136	95362.00
LLA :		
See Section G for complete line of accounting		
000307	1313851657137	98022.00
LLA :		
See Section G for complete line of accounting		
000308	1313851657140	55405.00
LLA :		
See Section G for complete line of accounting		
000309	1313851657142	44985.00
LLA :		
AA 2152065 18-1004 0000 115G22.00 MI 2515 W8AYAA WCLS EMAJ49 S04376		
000310	1313851730000	485437.00
LLA :		
See Section G for complete line of accounting		
000311	6363251730035	50000.00
LLA :		
See Section G for complete line of accounting		
000312	6363251730036	40000.00
LLA :		
See Section G for complete line of accounting		
000313	1313851730038	10000.00
LLA :		
See Section G for complete line of accounting		
000314	6363251730043	5400.00
LLA :		
See Section G for complete line of accounting		
000315	1515051730026	12000.00
LLA :		
See Section G for complete line of accounting		
000316	63632 51921514	158203.00
LLA :		
1751507 82FU 000 W5S4X 0 068342 2D 000000 FUCA10000010		

ACCOUNTING AND APPROPRIATION DATA FOR THIS ACTION IS ALSO LOCATED IN SECTION B OF

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THIS MODIFICATION.

000317 63632 51921515 8543.00

LLA :

AT 97X4930 NH1F 000 77777 0 000174 2F 000174 636323C1A632

ACCOUNTING AND APPROPRIATION DATA IS ALSO LOCATED IN SECTION B OF THE MODIFICATION.

000318 13138 51931629 24032.00

LLA :

AU 1751106 27M0 260 67854 067443 2D M67854 TS9X5RC9X945

ACCOUNTING AND APPROPRIATION DATA IS ALSO LOCATED IN SECTION B OF THIS MODIFICATION.

000319 13138 5193 1657 58537.00

LLA :

AV 2152040 6N 6N7H P6223032140111 255Y S01021

ACCOUNTING AND APPROPRIATION DATA IS ALSO LOCATED IN SECTION B OF THE MODIFICATION.

000320 13138 51931658 41951.00

LLA :

AW 1751319 W3DJ 000 RA353 0 068342 2D 000000 02911000GAH0

ACCOIUNTING AND APPROPRIATION DATA IS ALSO LOCATED IN SECTION B OF THE MODIFICATION.

000321 13138 5193 1667 36195.00

LLA :

AX 1751319 W2DA 000 RA353 0 068342 2D 000000 02911000NW20

ACCOUNTING AND APPROPRIATION DATA IS ALSO LOCATED IN SECTION B OF THE MODIFICATION

0003AA 13138 5153 4796 2685737.00

LLA :

AA 2152065 18-1004 0000 115G22.00 MI 2515 W8AYAA WCLS EMAJ49 S04376

REQN: 13138 /51363236

MIPR NUMBER: MIPR5DMI490123 WIG:I

CLINS 000102 AND 000301 THE FUNDING DOCUMENT MIPR NUMBER IS: 475ATD0947SI

THE JON IS: 5ZGA04

THE MRRN IS: A15P30042R47

THE CRN IS: 475ATD0947SI

THE AMS CODE IS: 31106984004

CLIN 000302 THE FUNDING DOCUMENT MIPR NUMBER IS: N3792A05WX001FN

CLIN 000303 THE FUNDING DOCUMENT MIPR NUMBER IS: 05-U742

THE TPN IS: DODHR0011

(NOTE: CLIN 0001 IS FULLY FUNDED WITH THIS ACTION)

Task Order Manager

Joe T. McClure, 6310F

101 Strauss Ave.

Indian Head, MD 20640

joe.mcclure@navy.mil

301-744-4688

INDIAN HEAD DIVISION, NAVAL SEA SYSTEMS COMMAND, HOURS OF OPERATION AND HOLIDAY SCHEDULE

1. The policy of this station is to schedule periods of reduced operations or shutdown during holiday periods. Deliveries will not be accepted on Saturdays, Sundays or Holidays except as specifically requested by the Naval Sea Systems Command. All goods or services attempted to be delivered on a Saturday, Sunday or Holiday without specific instructions from the Ordering Officer or his duly appointed representative will be returned to the contractor at his expense with no cost or liability to the U.S. Government.

2. The scheduled holidays for Indian Head Division, Naval Sea Systems Command are:

HOLIDAY DATE OF OBSERVANCE

New Year's Day 01 January

Martin Luther King's Birthday 19 January

President's Day 16 February

Memorial Day 31 May

Independence Day 5 July

Labor Day 6 September

Columbus Day 11 October

Veteran's Day 11 November

Thanksgiving Day 25 November

Christmas Day 24 December

* If the actual date falls on a Saturday, the holiday will be observed the preceding Friday. If the holiday falls on a Sunday, the observance shall be on the following Monday.

3. The hours of operation for the Procurement Department and Receiving Office are as follows:

AREA FROM TO

Procurement Department(BLDG. 1558) 7:30 A.M. 4:00 P.M.

Receiving Office (BLDG. 116) 7:30 A.M. 11:00 A.M.

12:30 P.M. 2:00 P.M.

If you intend to visit the Procurement Department, it is advised that you call for an appointment at least 24 hours in advance.

TECHNICAL INSTRUCTIONS

(a) Performance of the work hereunder will be subject to written technical instructions signed by the Ordering Officer specified in Section G of this task order. As used herein, technical instructions are defined to include the following:

(1) Directions to the Contractor which suggest pursuit of certain lines of inquiry, shift work emphasis, fill in details or otherwise serve to accomplish the contractual statement of work.

(2) Guidelines to the Contractor which assist in the interpretation of drawings, specifications or technical portions of work description.

(b) Technical instructions must be within the general scope of work stated in the task order. Technical instructions may not be used to: (1) assign additional work under the task order; (2) direct a change as defined in the "CHANGES" clause of the basic contract; (3) increase or decrease the task order price or estimated task order amount (including fee), as applicable, the level of effort, or the time required for task order performance; or (4) change any of the terms, conditions or specifications of the task order.

(c) If, in the opinion of the Contractor, any technical instruction calls for effort outside the scope of the task order or is inconsistent with this requirement, the Contractor shall notify the Ordering Officer in writing within ten (10) working days after the receipt of any such instruction. The Contractor shall not proceed with the work affected by the technical instruction unless and until the Contractor is notified by the Ordering Officer that the technical instruction is within the scope of this task order.

(d) Nothing in the foregoing paragraph shall be construed to excuse the Contractor from performing that portion of the contractual work statement which is not affected by the disputed technical instruction.

SECTION H SPECIAL CONTRACT REQUIREMENTS

TASK ORDER POINTS OF CONTACT

The following contacts are provided for this contract:

Contract Administrator: Donna M. Chaney

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Phone Number: (301)744-6656

Email: donna.chaney@navy.mil

Payments/Invoicing: DFAS-CO/South Entitlement Operations

Phone Number: (800)756-4571

Task Order Manager: Joe McClure

Phone Number: (301)744-4688, ext. 276

Any concerns regarding your task order, should be directed to the above mentioned,
or the Ordering Officer Penny Kennedy at (301) 744-6626.

SECTION I CONTRACT CLAUSES

In addition to the clauses in the basic contract, the following clauses are incorporated into the subject task order:

OPTION TO EXTEND THE TERM OF THE TASK ORDER

- (a) The Government may extend the term of this contract by written notice to the Contractor within 365 days of award or exercise of previous option; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the task order expires. The preliminary notice does not commit the Government to an extension.
- (b) If the Government exercises this option, the extended task order shall be considered to include this option clause.
- (c) The total duration of this task order, including the exercise of any options under this clause, shall not exceed 5 years.

52.222-41 Service Contract Act (1965)

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SECTION J LIST OF ATTACHMENTS

Section M - (removed at time of award)
Relevant Experience Matrix - (removed at time of award)
Past Performance Matrix - (removed at time of award)
Cost Summary Format - (removed at tie of award)
Supporting Cost Information - (removed at time of award)
Section L - (removed at time of award)
Pastques - (removed at time of award)
DD254 CONTRACT SECURITY CLASSIFICATION SPECIFICATION IS HEREBY INCORPORATED AND MADE A PART OF THIS CONTRACT.