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	PIIN/SIIN DAAE07-01-G-N001/0004      MOD/AMD 17	
<b>Name of Offeror or Contractor:</b> GENERAL DYNAMICS LAND SYSTEMS INC.		

SECTION A - SUPPLEMENTAL INFORMATION

1. The purpose of modification 17 to Delivery Order 0004 of Corporate BOA DAAE07-01-G-N001 is as follows:
  - a. The contractor shall store the Wolverine Heavy Assault Bridge (HAB) special tooling and test equipment at the Joint Systems Manufacturing Center at Lima, OH (JSMC) in accordance with Section C, paragraph C.13.
  - b. Effective the date of this modification, the Government shall take title to this Wolverine HAB special tooling and test equipment at Joint Systems Manufacturing Center in Lima, OH (JSMC). The accountability for this tooling will be transferred to the JSMC facilities contract, W56HZV04E0001, upon completion of the effort in C. 13.
2. The parties agreed that the negotiated amount for this effort is \$8,392.00.
3. CLIN 0007AA is established to fund this effort. The contractor is authorized to bill for this effort under CLIN 0007AA, ACRN AE, upon ACO verification that the effort required by C. 13 is complete.
4. The funded amount of the contract is increased by \$8,392.00 from \$27,381,658.00 to \$27,390,050.00
5. As a result of this action, Delivery Order 0004 is changed as follows:
  - a. Section B - Page B6(b) is added to the contract
  - b. Section C - Page C10 is deleted and replaced by the attached identically numbered page.
  - c. Section G - The accounting data for this action is reflected in the added G page.
6. All other terms and conditions remain unchanged and in full force and effect.

\*\*\* END OF NARRATIVE A 019 \*\*\*

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Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT										
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS														
0007	SECURITY CLASS: Unclassified														
0007AA	<p>SERVICES LINE ITEM</p> <p>NOUN: SPECIAL TOOLING/TEST EQT LIMA                      PRON: A126J00947 PRON AMD: 01 ACRN: AE                      AMS CD: 31204520018</p> <p>CLIN Contract Type:Firm Fixed Price</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> </tr> <tr> <td>001</td> <td>0</td> </tr> <tr> <td></td> <td><u>DATE</u></td> </tr> <tr> <td></td> <td>30-NOV-2004</td> </tr> </table> <p>\$ 8,392.00</p>	DLVR SCH	PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	001	0		<u>DATE</u>		30-NOV-2004				\$ 8,392.00
DLVR SCH	PERF COMPL														
<u>REL CD</u>	<u>QUANTITY</u>														
001	0														
	<u>DATE</u>														
	30-NOV-2004														

**Name of Offeror or Contractor:** GENERAL DYNAMICS LAND SYSTEMS INC.

## SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 CONFORMANCE WITH SPECIFICATIONS, DRAWINGS AND REQUIREMENTS

C.1.1 Performance Specification: The Wolverine Heavy Assault Bridge (HAB) systems required to be delivered under this contract shall comply with the Wolverine Performance Specification (Attachment 1) to the following extent:

- a. the HAB shall comply with the requirements of the performance specification that are inspected or tested by the Final Inspection Record (FIR) QF940000, Rev J, dated 16 July 2002; and
- b. for all other requirements of the performance specification, the HAB shall comply to the extent previously demonstrated and documented.

C.1.2 Paint Color: The vehicles shall be painted Tan A686 (Paint Chip 33446).

C.2 CONFIGURATION CONTROL

C.2.1 The Contractor has full control of the Wolverine Technical Data Package with the exception of the Performance Specification for the Wolverine (Attachment 1) and the Government Furnished Material at Attachment B. The Government retains configuration control over all of the items provided as GFM. The contractor/Government as a goal shall maintain as much commonality as possible between the M1A2 SEP Abrams and the Wolverine minimizing the impact of cross system obsolescence.

C.2.2 The Government shall be notified electronically of any proposed Contractor change that negatively affects meeting the Wolverine performance requirements under paragraph C.1.1. Any changes reducing demonstrated performance of the Wolverine may be disapproved by the Procuring Contracting Officer within 10 working days of the notification of the change. The Contractor is to flag those ECP/CR/RFW/RFD requiring Procuring Contracting Officer approval with a distinct cover page or electronic notice. Changes impacting engineering or logistics may be disapproved by the Government within 10 working days after electronic notification of the change. The Government shall be notified electronically of scheduled contractor configuration control board meetings for Wolverine components; participation by Government representatives is at the Government's option.

C.2.3 Contractor generated ECP/CR/RFW/RFD to Government configuration controlled items requires Procuring Contracting Officer approval unless specifically delegated. These ECP/CR/RFW/RFD shall be submitted to the Procuring Contracting Officer in accordance with CDRL A009 of this Delivery Order. The Contractor is to flag those ECP/CR/RFW/RFD requiring Procuring Contracting Officer approval with a distinct cover page or electronic notice.

C.2.4 Incorporation of Government generated ECPs into vehicles other than job one shall be recorded and reported to the Government in accordance with CDRL A001 (Engineering and Accounting Records (ECAR)).

C.2.5 SOFTWARE

C.2.5.1 Software changes require a safety release of the software by ATC prior to fielding the Wolverine to user units. It is the parties' intent to perform combined safety releases on bundled software changes to both Government directed and GDLS initiated changes. The Government shall determine adequate testing for the software safety release. On the combined safety releases, the Government will fund the basic tests and the Contractor shall fund the incremental costs to conduct any unique testing determined by the Government to be necessary for Contractor initiated changes. The Contractor may request additional testing beyond the testing the Government has determined adequate for the safety release testing of Contractor software changes. The cost of the Contractor requested testing shall be funded by the Contractor. Software Changes introduced unilaterally into the Wolverine by the Contractor shall be compatible with all previous Wolverine configurations, and not negatively impact Wolverine launch/retrieve operations.

C.2.5.2 Software changes incorporated by the Contractor impacting safety and/or mission critical capabilities not approved by a waiver or deviation shall be funded for any separately scheduled safety release due to the software change.

C.2.5.3 The Contractor may determine a software change has potential Performance Specification impacts that should be tested along with regularly scheduled Government system-level testing. The Contractor may combine its test objectives with those of the Government to determine software compliance to the System Specification. The Government will fund the testing it had previously scheduled for its own and the Contractor will fund the incremental cost of any unique test routines it requires to complete its test objectives.

C.2.6 A Government Agency or Engineering Services Contractor performing under a Government Contract may issue Engineering Change Proposals (ECP) which may affect the Wolverine Performance Specification or the Contractor TDP described above. The Contractor shall submit, within 30 working days of receipt of written TACOM Procuring Contracting Officer direction; a proposal, reflecting the increase or decrease of the unit and total costs of the change including tools and gages, logistics impact, cost of obsolescence or rework, disposal of hazardous waste, manufacturing cost estimates of parts involved and packaging when affected.

C.2.7 The Government shall be allowed to electronically access the Contractor's Technical Data Package database (ECARDS)

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and Change Management database (CMCS).

C.3 Government Furnished Material (GFM) The GFM required to be installed in, or delivered with each Wolverine vehicle shall be furnished by the Government (in the respective required quantities to support contract vehicle delivery schedule and associated work in-process without work around or disruption) FOB appropriate contractor location according to the requirements lists shown in Attachment (TBD). All handling, storage and installation costs are included in the vehicle price with the understanding that boxed BII shall be shipped separately to its final destination with the vehicle without repacking. The Contractor shall provide Wolverine GFM reporting per CDRL A002 on a weekly basis.

C.3.1. GFM prices used in the Contractor G & A Rates. The Government has provided in the GFM list Attachment B of this Delivery Order the total price, by vehicle, for the GFM. This is divided into the price for GFM with a unit price of \$100,000 or more, and a price for GFM with a unit price under \$100,000. GFM priced \$5,000 each per vehicle set, or less are not included in the price by mutual agreement of the parties.

**C.4 FUELS AND LUBRICANTS**

C.4.1 Fuels and lubricants used for vehicle break-in and acceptance tests are:

C.4.2 Fuel, diesel, JP-8, and leak detector. The Contractor is authorized to add a leak detector to the fuel provided the leak detector is of a non-staining type.

**C.4.3 Oil.**

- a. Transmission/Final Drive Oil MIL-PRF-21260
- b. Engine Oil/Lubrication High Temperature Stability (HTS) MIL-PRF-23699
- c. Shock Absorber Oil High Temperature Stability (HTS) MIL-PRF-23699

**C.5 VEHICLE WEIGHT MANAGEMENT**

C.5.1. The Contractor shall weigh the first system produced in its "as produced" configuration, excluding Basic Issue Items (BII). The contractor shall maintain a record of such weights. reporting gross excesses of the 70 ton system weight threshold. The record shall include the amount of fuel in each cell as indicated on the fuel gauge and list "ship short" items.

C.5.2. Vehicle weighing shall be witnessed by a DCMC representative and coordinated by the Contractor.

**C.6 PLANS AND REPORTS**

C.6.1 Delivered vehicles shall have an Army Maintenance Management System Equipment Record Folder in each one, in accordance with CDRL A003.

C.6.2 The Contractor shall provide an update(s) as required to its approved Pollution Control Plan in accordance with CDRL A004.

**C.7 SERIALIZATION AND TRACKING OF MATERIAL**

C.7.1 The Contractor shall maintain its system for serialization and tracking of vehicle material into the finished end-item vehicle. This system, as a minimum, will include:

- a. serialization and tracking of LRUs into vehicles, and
- b. serialization and tracking of the AEGR card P/N 12438580 by serial number.

C.7.2 The Contractor shall provide the Government a copy of the Contractor's LRU/AEGR Tracking Report (CDRL A005), with the DD250 for final acceptance of a vehicle, in accordance with the Contractor's current practices.

C.7.3 The Contractor may utilize a bar coding system in order to automate the recording of this data.

**C.8 VEHICLE STORAGE AT LIMA TBD****C.9 FINAL INSPECTION RECORD (FIR)**

C.9.1 The Government and Contractor agree that acceptance of vehicles shall be accomplished in accordance with the Final Inspection Record (FIR) developed, submitted and used under contract DAAE07-95-C-0292 until superceded by a new FIR developed under STS contract and incorporated into this contract pursuant to the FAR Changes Clause. The target date for incorporation of the new

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FIR is March 31, 2002.

C.9.2 If for any reason, the contractor determines the FIR developed in C.9.1 above is not appropriate for final inspection of the end item, the contractor must obtain written approval from the Contracting Officer prior to using any other documentation for this purpose.

C.10 CONTRACT DATA REQUIREMENTS

The contractor shall prepare technical data and financial reports in the format and scope specified in the applicable Data Item Description (DD Form 1664) included in Exhibit "A". This information will be furnished in accordance with the requirements, quantities and schedules set forth in the Electronic Contract Data Requirements List (DD Form 1423) Exhibit "A". All data, including ECARDS data, is to be submitted electronically to the Government, reference FAR 52.204-4009 (TACOM) MANDATORY USE OF CONTRACTOR TO GOVERNMENT ELECTRONIC COMMUNICATION JUN/1999, unless specifically directed otherwise in the data item.

C.11 The Contractor is not required to perform either First Production unit inspection or Production Verification Test as specified in paragraph 4.3.1. and 4.4 respectively.

C.12. The Government will provide the mechanism to download the Wolverine system software.

C.13 SPECIAL TOOLING AND TEST EQUIPMENT STORAGE

C.13.1 The Contractor shall store HAB special tooling and test equipment at The Joint Systems Manufacturing Center at Lima (JSMC). Smaller fabrication fixturings and templates shall be stored in metal tubs inside the facility without preservation. Medium fixtures shall be stored on a rack inside the facility without preservation. The three machining fixtures mounted on two machining pallets, the assembly area floor stands, the assembly platform and hydraulic tank/pump (not drained) shall be stored in place without preservation.

C.13.2 All tooling and templates shall be inventoried. The inventory list shall include the storage location of each item. The Contractor shall provide the JSMC ACO with the inventory record when the storage is complete.

Terms and Conditions specific to Section C of this Delivery Order are incorporated by reference from the Basic Ordering Agreement and are as follows:

- C-1 TACOM SUPPLEMENTAL STATEMENT OF WORK: Tailoring of MIL-L-61002 TO ELIMINATE USE OF CIODS.
- C-2 TACOM SUPPLEMENTAL STATEMENT OF WORK: Tailoring of MIL-STD-129 TO ELIMINATE USE OF CIODS
- C-3 CLASS I OZONE DEPLETING SUBSTANCES (CIODS)
- C-4 YEAR 2000 (Y2K) COMPLIANCE
- C-5 CONTRACT DATA REQUIREMENTS
- C-7 POLLUTION PREVENTION PLAN
- C-8 HEAVY ARMOR NRC LICENSE
- C-9 SERIALIZATION AND TRACKING OF MATERIAL
- C-10 VEHICLE PRODUCTION IPT
- C-11 JOINT TECHNICAL ARCHITECTURE-ARMY COMPLIANCE
- C.2 CONFIGURATION MANAGEMENT CONTROL

\*\*\* END OF NARRATIVE C 001 \*\*\*

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C.8                    VEHICLE STORAGE AT LIMA            TBD

C.9                    FINAL INSPECTION RECORD (FIR)

C.9.1                The Government and Contractor agree that acceptance of vehicles shall be accomplished in accordance with the Final Inspection Record (FIR) QF940000, Revision J, dated 16 July 2002.

C.9.2                If for any reason, the contractor determines the FIR developed in C.9.1 above is not appropriate for final inspection of the end item, the contractor must obtain written approval from the Contracting Officer prior to using any other documentation for this purpose.

C.10                 CONTRACT DATA REQUIRMENTS

The contractor shall prepare technical data and financial reports in the format and scope specified in the applicable Data Item Description (DD Form 1664) included in Exhibit "A". This information will be furnished in accordance with the requirements, quantities and schedules set forth in the Electronic Contract Data Requirements List (DD Form 1423) Exhibit "A". All data, including ECARDS data, is to be submitted electronically to the Government, reference FAR 52.204-4009 (TACOM) MANDATORY USE OF CONTRACTOR TO GOVERNMENT ELECTRONIC COMMUNICATION JUN/1999, unless specifically directed otherwise in the data item.

C.11                The Contractor is not required to perform either First Production unit inspection or Production Verification Test as specified in paragraph 4.3.1. and 4.4 respectively.

C.12.                The Government will provide the mechanism to download the Wolverine system software.

Terms and Conditions specific to Section C of this Delivery Order are incorporated by reference from the Basic Ordering Agreement and are as follows:

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C-2                TACOM SUPPLEMENTAL STATEMENT OF WORK: Tailoring of MIL-STD-129 TO ELIMINATE USE OF CIODS

C-3                CLASS I OZONE DEPLETING SUBSTANCES (CIODS)

C-4                YEAR 2000 (Y2K) COMPLIANCE

C-5                CONTRACT DATA REQUIREMENTS

C-7                POLLUTION PREVENTION PLAN

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C-8 HEAVY ARMOR NRC LICENSE

C-9 SERIALIZATION AND TRACKING OF MATERIAL

C-10 VEHICLE PRODUCTION IPT

C-11 JOINT TECHNICAL ARCHITECTURE-ARMY COMPLIANCE

C.2 CONFIGURATION MANAGEMENT CONTROL

\*Page Revised by Modification P0007

\*\*\* END OF NARRATIVE C 002 \*\*\*

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**Name of Offeror or Contractor:** GENERAL DYNAMICS LAND SYSTEMS INC.

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ <u>ITEM</u> <u>MIPR</u>	ACRN	OBLG STAT/ <u>JOB ORD NO</u>	<u>PRIOR AMOUNT</u>	<u>INCREASE/DECREASE</u> <u>AMOUNT</u>	<u>CUMULATIVE</u> <u>AMOUNT</u>
0007AA	A126J00947 31204520018	AE	2 2ZCW01	0.00 \$	8,392.00 \$	8,392.00
				NET CHANGE \$	8,392.00	

<u>SERVICE</u> <u>NAME</u>	<u>NET CHANGE</u> <u>BY ACRN</u>	<u>ACCOUNTING CLASSIFICATION</u>	<u>ACCOUNTING</u> <u>STATION</u>	<u>INCREASE/DECREASE</u> <u>AMOUNT</u>
Army	AE	21 22033000026D6D13P31204525FA S20113	W56HZV	\$ 8,392.00
				NET CHANGE \$ 8,392.00

	<u>PRIOR AMOUNT</u> <u>OF AWARD</u>	<u>INCREASE/DECREASE</u> <u>AMOUNT</u>	<u>CUMULATIVE</u> <u>OBLIG AMT</u>
NET CHANGE FOR AWARD:	\$ 27,381,658.00	\$ 8,392.00	\$ 27,390,050.00