

2. Amendment/Modification No. P00001	3. Effective Date 2004JUL27	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By TACOM WARREN AMSTA-AQ-ABGD PHILLIP LAWRENCE (586)574-5273 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: LAWRENCPT@TACOM.ARMY.MIL	Code	W56HZV	7. Administered By (If other than Item 6) DCMA PHOENIX TWO RENAISSANCE SQUARE 40 N. CENTRAL AVENUE, SUITE 400 PHOENIX, AZ 85004-4424	Code	S0302A
			SCD C PAS NONE ADP PT HQ0339		

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) TECHNICAL SOLUTIONS INC 1313A NORTH VINTON ROAD ANTHONY, TX. 79821 TYPE BUSINESS: Other Small Business Performing in U.S.	<input type="checkbox"/>	9A. Amendment Of Solicitation No.
	<input type="checkbox"/>	9B. Dated (See Item 11)
	<input checked="" type="checkbox"/>	10A. Modification Of Contract/Order No. W56HZV-04-C-0051
	<input type="checkbox"/>	10B. Dated (See Item 13) 2004FEB23
Code 2X915	Facility Code	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments; (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)
ACRN: AB NET INCREASE: \$376,441.00

13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS

KIND MOD CODE: 8 It Modifies The Contract/Order No. As Described In Item 14.

<input type="checkbox"/>	A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.	The Changes Set Forth In Item 14 Are Made In
<input type="checkbox"/>	B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).	
<input type="checkbox"/>	C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:	
<input checked="" type="checkbox"/>	D. Other (Specify type of modification and authority) Paragraph B.3.2 of the contract	

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the Issuing Office.

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

SEE SECOND PAGE FOR DESCRIPTION

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)	16A. Name And Title Of Contracting Officer (Type or print) MICHAEL L. CIONI CIONIM@TACOM.ARMY.MIL (586)574-7070		
15B. Contractor/Offeror (Signature of person authorized to sign)	15C. Date Signed	16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)	16C. Date Signed 2004JUL27

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 2 of 6**

PIIN/SIIN W56HZV-04-C-0051

MOD/AMD P00001

Name of Offeror or Contractor: TECHNICAL SOLUTIONS INC

SECTION A - SUPPLEMENTAL INFORMATION

PROGRAM: Phase II SBIR

PURPOSE OF MODIFICATION: Incremental Funding

PRIOR CONTRACT AMOUNT: \$ 729,614

CONTRACT AMOUNT REVISED THIS ACTION:\$ -0-

CURRENT CONTRACT AMOUNT: \$ 729,614

PRIOR OBLIGATED AMOUNT: \$ 353,173

AMOUNT OBLIGATED THIS ACTION: \$ 376,441

TOTAL OBLIGATED AMOUNT: \$ 729,614

The purpose of this modification is to provide the final incremental funding in the amount of \$376,441 in accordance with paragraph B.3.2 of the contract entitled "Funding Schedule".

This is a unilateral modification.

The contract is modified as follows:

1. Section B is updated to reflect the incorporation of \$376,441 under CLIN 0001AB.
2. Section B, Page 4 of the contract, is revised to reflect the increase in the obligated amount to \$729,614 in paragraph B.4..
3. Section F, paragraph F.2, of the contract is revised to correct a error in the completion date which should be 23 Feb 2006.
3. Section G is updated to reflect the incorporation of the applicable accounting data.
4. As a result of this action the total contract amount remains unchanged at \$729,614. The total obligated amount is increased by \$376,441 from \$353,173 to \$729,614. All other terms and conditions of this contract, as previously modified, remain unchanged and in full force and effect.

*** END OF NARRATIVE A 001 ***

CONTINUATION SHEET

Reference No. of Document Being Continued
 PIIN/SIIN W56HZV-04-C-0051 MOD/AMD P00001

Name of Offeror or Contractor: TECHNICAL SOLUTIONS INC

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AB	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>SERVICES LINE ITEM</u></p> <p>NOUN: FY04 ONGOING FASTTRACK TECH S PRON: R342C314R3 PRON AMD: 02 ACRN: AB AMS CD: 665502M4055</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u> DLVR SCH PERF COMPL <u>REL CD QUANTITY DATE</u> 001 0 23-FEB-2006</p> <p>\$ 376,441.00</p>				\$ 376,441.00

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MOD/AMD P00001

Name of Offeror or Contractor: TECHNICAL SOLUTIONS INCB.1 Estimated Cost and Payment

B.1.1 The estimated cost for performance of the work required under this contract is \$729,614 which shall constitute the estimated cost for the purpose of the Contract Clause hereof entitled LIMITATION OF FUNDS.

B.1.2 Allowable cost shall be determined, and payment thereof shall be provided, in accordance with the Contract Clause hereof entitled ALLOWABLE COST AND PAYMENT.

B.2 Payment

The contractor may submit public vouchers bi-weekly for payment under this contract. The Paying Office shall disburse funds in accordance with paragraph G.18 of this contract entitled "Special Paying Instructions - Pay Oldest Money First (MAR2000)".

B.3 Funding

B.3.1 The Government shall provide funds under this contract covering the estimated cost hereof on an incremental basis as provided for in the following funding schedule and pursuant to the Contract Clause entitled LIMITATION OF FUNDS. It is estimated that the incremental amounts are sufficient for the performance of work in each of cited periods. The Government may, at its discretion, allot such funds on an incremental basis within each fiscal year. The contractor shall so plan and execute the work required by this contract as to expend and/or commit funds compatible with the schedule set forth below. Whenever the contractor has reason to believe that the funds allotted to this contract for any fiscal year are either insufficient or excessive for the performance of work required in that fiscal year, the Government shall be so notified.

B.3.2 Funding Schedule

<u>Performance Period</u>	<u>Amount</u>
FY04 - Award through Dec 04	\$ 353,173
FY05 - Jan 05 through Completion	\$ 376,441

B.4 Funds Obligated. The amount of funds currently obligated to this contract is \$729,614.

*** END OF NARRATIVE B 001 ***

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Name of Offeror or Contractor: TECHNICAL SOLUTIONS INC

SECTION F - DELIVERIES OR PERFORMANCE

F.1.1 Data

F.1.2 The delivery schedule for the data items is found on Exhibit A, The Contract Data Requirements List (DD Form 1423).

F.1.3. All data deliverables under this contract shall be delivered electronically to the email addresses specified in the Contract Data Requirements List (CDRL) DD Form 1423.

F.2 Period of Performance

The period of performance of this contract is 24 months from date of contract award.

F.3 All hardware and documents shall be shipped FOB Destination to the following address:

U.S.Army TACOM
6501 E. 11 Mile Road
Attn: AMSTA-TR-R/(Mitchell Cross) Mailstop 121
Warren Michigan, 48397-5000

All other deliverables must be sent by e-mail to the following addresses unless alternative arrangements are made with the Contracting Officer's Representative:

burkete@tacom.army.mil, and lawrencp@tacom.army.mil.

F.3.1 The contractor shall deliver the following:

The following items shall be developed by the contractor and delivered to TARDEC.

UML Model. The UML model will include the use cases and associated classes to define the IGV hardware, software, and operators. The model will be delivered in preliminary form 2 weeks prior to IPR 1 and in its final form two weeks prior to IPR2.

Simulation Execution Environment. The simulation execution environment software shall be delivered as source code and in executable form (CD ROM). The software shall be delivered at IPR 3 and will be revised , as required and re-delivered during remaining effort on the program to implement new requirements and incorporate maintenance modifications.

Scenario Description Document(s). Scenario description documents shall be developed, in contractor format, for each demonstration. The document shall provide detailed scenario definition to include: approach, configuration, required models, and evaluation criteria (MOEs, MOPs). The scenario description documents will be delivered five months prior to the corresponding demonstrations event.

Object Model Source Code. Object model source code developed by the contractor shall be delivered to TARDEC and integrated into the TARDEC VSIL repository, such that the models can be readily utilized. Object model delivery will be ongoing throughout the program and the delivery schedule will be coordinated via the IPRs.

Performance, Analysis, and Measurement System. The performance, analysis, and measurement system software shall be delivered as source code and in executable form. The software will be delivered at IPR 3 and will be revised as required, and re-delivered during remaining effort on the program to implement new requirement and incorporate maintenance modifications.

VSIL Repository. The VSIL Repository software shall be delivered as source code and in executable form (CD ROM). The software will be delivered at IPR 3 and will be revised, and re-delivered during remaining effort on the program to implement new requirement sand incorporate maintenance modifications.

VSIL Software Users Manual and VSIL Programmers Reference Manual. These documentations shall be developed in contractor format and shall be delivered for preliminary review two weeks prior to IPR 5 and shall be delivered in its final form two weeks prior to IPR 7.

*** END OF NARRATIVE F 001 ***

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SIIN W56HZV-04-C-0051

MOD/AMD P00001

Name of Offeror or Contractor: TECHNICAL SOLUTIONS INC

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ <u>ITEM</u> <u>MIPR</u>	<u>ACRN</u>	<u>OBLG STAT/</u> <u>JOB ORD NO</u>	<u>PRIOR AMOUNT</u>	<u>INCREASE/DECREASE</u> <u>AMOUNT</u>	<u>CUMULATIVE</u> <u>AMOUNT</u>
0001AB	R342C314R3 665502M4055	AB	2 42C314	0.00 \$	376,441.00 \$	376,441.00
				NET CHANGE	\$ 376,441.00	

<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	AB	21 42040000046N6N7EP665502255Y S20113	W56HZV	\$ 376,441.00
				NET CHANGE \$ 376,441.00

	<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:	\$ 353,173.00	\$ 376,441.00	\$ 729,614.00