

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Time-and-Materials

Page 1 OF 5

2. Amendment/Modification No.

P00049

3. Effective Date

18 SEP 1998

4. Requisition/Purchase Req No.

SEE SCHEDULE

5. Project No. (if applicable)

6. Issued By

Code

W15P7T

COMMANDER US ARMY CECOM
AMSL-ACCA-C-AS
JOHN HOWARD (733) 427-1647
FORT MONMOUTH NJ 07703-5008

EMAIL: HOWARDJED@JCS.MONMOUTH.ARMY.MIL

7. Administered By (if other than Item 6)

Code

61801A

DCMAO, INDIANAPOLIS
6033 EAST 56TH STREET
INDIANAPOLIS, IN 46249-5701

SCD C

PAS NONE

ADP PT SC1012

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)

ITT AEROSPACE
COMMUNICATIONS DIV
1919 W COOK RD
P O BOX 3700
FT. WALKER IN 46801-3700

TYPE BUSINESS: Large Business Performing in U.S.

Code 31880

Facility Code

☐

9A. Amendment Of Solicitation No.

☐

9B. Dated (See Item 11)

☒

10A. Modification Of Contract/Order No.

DAAB07-96-G-C760

☐

10B. Dated (See Item 13)

1998JAN19

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 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: DS NET INCREASE: \$121,681.00

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

It Modifies The Contract/Order No. As Described In Item 14.

KIND MOD CODE: S

☐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

☐

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).

☒

C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: FAR 52.243-3 "Changes T&M"

☐

D. Other (Specify type of modification and authority)

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

14. Description Of Amendment/Modification (Organized by UCP 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)

JOHN F. HANLON
SR CONTRACT ADMIN

15B. Contracting Officer

[Signature]
(Signature of person authorized to sign)

NSN 7540-01-152-8870

PREVIOUS EDITIONS UNUSABLE

15C. Date Signed

9/18/98

16A. Name And Title Of Contracting Officer (Type or print)

Kevin Loesch, Contracting Officer

16B. United States Of America

By *[Signature]*
(Signature of Contracting Officer)

16C. Date Signed

18 SEP 1998

30-105-02

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

CONTINUATION SHEET

Reference No. of Document Being Continued

PIIN/SHIN DAAB07-96-C-C760

MOD/AMD P00049

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Name of Offeror or Contractor: ITT AEROSPACE

SECTION A - SUPPLEMENTAL INFORMATION

NEAR TERM DIGITAL RADIO (NTDR): ALTERNATIVE ANTENNA DESIGN

1. THIS MODIFICATION IS ISSUED PURSUANT TO FAR 52.243-3, TO PROVIDE FUNDING FOR NTDR TECHNICAL ENHANCEMENTS FOR ANTENNA DESIGN AS DESCRIBED IN THE STATEMENT OF WORK DATED 27 APR 98 ENTITLED 'T&M TASK FOR NTDR TECHNICAL ENHANCEMENTS' ALONG WITH CHANGES IDENTIFIED IN THE GOVERNMENT DOCUMENT ENTITLED 'REVISIONS TO TEP' DATED 30 APR 98 (BOTH ARE PROVIDED AS ATTACHMENTS 024 AND 025, RESPECTIVELY). ITT IS HEREBY AUTHORIZED TO INITIATE PERFORMANCE FOR THE Not To Exceed Amount of \$121,681.00, SUBJECT TO THE CONTRACT'S LIMITATION OF FUNDS CLAUSE. SLIN 0009AV HAS BEEN ESTABLISHED TO REFLECT THIS EFFORT AND PROVIDE FUNDING.

2. AS A RESULT OF THIS ACTION, THE TIME AND MATERIALS FUNDING SUMMARY FOR CLIN 0009 IS CHANGED AS FOLLOWS:

NOT TO EXCEED CEILING PRICE: \$3,290,072.00

PREVIOUS TOTAL T&M FUNDING: \$2,306,115.00

T&M FUNDING FOR THIS ACTION: \$ 121,681.00

TOTAL T&M FUNDING TO DATE: \$2,427,796.00

3. BASED UPON THE ABOVE, THE TOTAL CONTRACT PRICE IS INCREASED AS REFLECTED IN THE G SECTION OF THIS MODIFICATION.

4. EXCEPT AS PROVIDED HEREIN, ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

*** END OF NARRATIVE A048 ***

CONTINUATION SHEET

Reference No. of Document Being Continued
PIN/SIN DAL807-96-C-C760 MOD/AMD P00049

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Name of Offeror or Contractor: ITT AEROSPACE

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0009AV	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS <u>SERVICES LINE ITEM</u> NOUN: ALT. ANTENNA DESIGN (T&M) SECURITY CLASS: Unclassified PRON: TR8J3414TR PRON AMD: 01 ACRN: DZ AMS CD: 6437133700012012.01 This SLIN is created to provide funding for test and engineering support on a T&M basis for the Task Execution Plan for Alternative Antenna Design. (End of narrative B001) <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination <u>Deliveries or Performance</u> DLVR SCH PERF COMPL <u>REL CD</u> <u>QUANTITY</u> <u>DATE</u> 001 1 30-SEP-1999 \$ 121,681.00	1	LO		\$ 121,681.00

CONTINUATION SHEET

Reference No. of Document Being Continued

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Name of Offeror or Contractor: ITT AEROSPACE

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/	OBLG STAT/			INCREASE/DECREASE		CUMULATIVE
ITEM	AMS CD	ACRN	JOB ORD NO	PRIOR AMOUNT	AMOUNT		AMOUNT
0009AV	TR8J3414TR	DZ	2	\$ 0.00	\$ 121,681.00	\$	121,681.00
	4437133700012012.01		84Q7A3				
				NET CHANGE	\$ 121,681.00		

SERVICE	NET CHANGE		ACCOUNTING	INCREASE/DECREASE
NAME	BY ACRN	ACCOUNTING CLASSIFICATION	STATION	AMOUNT
Army	DZ	21 82040000085F5F15P6437132581 S280438J3414	HQ0304	\$ 121,681.00
			NET CHANGE	\$ 121,681.00

	PRIOR AMOUNT		INCREASE/DECREASE		CUMULATIVE
	OF AWARD		AMOUNT		OBLIG AMT
NET CHANGE FOR AWARD:	\$ 34,456,532.40	\$	121,681.00	\$	34,578,213.40

CONTINUATION SHEET

Reference No. of Document Being Continued

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PIN/SIN DAAB07-96-C-C760

MOD/AMD P00049

Name of Offeror or Contractor: ITT AEROSPACE

SECTION J - LIST OF ATTACHMENTS

<u>List of</u> <u>Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number</u> <u>of Pages</u>	<u>Transmitted By</u>
Attachment 024	STATEMENT OF WORK ENTITLED "TIME AND MATERIALS TASK FOR NTDR TECHNICAL ENHANCEMENTS"	27-APR-98	001	
Attachment 025	REVISIONS TO TEP	30-APR-98	001	

Statement of Work

Contract DAAB07-96-C-C760 TIME AND MATERIAL TASK FOR NTDR TECHNICAL ENHANCEMENTS

27 April 98

1. SCOPE.

The current Near Term Digital Radios (NTDR) are not designed to be fielded. In order for the NTDRs to participate in an Initial Operational Test and Evaluation (IOT&E) with the Appliqué program and subsequent support as the TOC-to-TOC radio for the First Digitized Division, NTDR design enhancement must be made so that the air filters are easily accessible from outside without opening the NTDR cover and an alternative antenna design is required.

2. REQUIREMENTS.

2.1 The contractor shall start the effort needed to modify the enclosure so that the air filters are externally replaceable without opening the NTDR box. The design changes shall not deviate from the baseline NTDR Technical Requirement Document. The design changes shall not deviate from meeting all the security design requirements as stated in the Security Requirement Document.

2.2 Preliminary Design Review (PDR) for the Government by the end of June 1998 time frame to review the air filter design changes developed for this task order. Upon completion of the design review, the Government may request an Engineering Change Proposal (ECP) from the contractor to incorporate the reviewed design into the NTDR technical baseline.

2.3 The contractor shall research a second antenna solution for the NTDR for this task order. Antenna survivability, size, ease of dismounting and area coverage shall be investigated. Ease of dismounting for the current antenna shall also be investigated for this task order.

2.4. The contractor shall hold a technical exchange meeting at the conclusion of the PDR to discuss the second antenna solution and ease of dismounting solution for the current antenna. The technical exchange shall entail but not limited to antenna analysis, findings, technical and cost tradeoffs, dismounting, area coverage, recommendations and conclusion. Contractor shall prepare a technical report.

2.5. ITT is to procure six of the prototype antennas (second antenna) identified under task 2.3 for testing after government review and approval.

2.6 The Period of Performance of this task order shall be date of award to 15 Sept. 1998.



ITT Industries

Aerospace/Communications Division

1919 West Cook Road
P.O. Box 3700
Ft. Wayne, IN 46801-3700
tel (219) 451-6000
fax (219) 451-6196

October 14, 1999
Serial No. JFH-99-090

FCC-Experimental Radio Service
PO Box 358320
Pittsburgh, PA 15251-5320

Reference: Contract Modification P00049; Antenna Testing

Gentlemen:

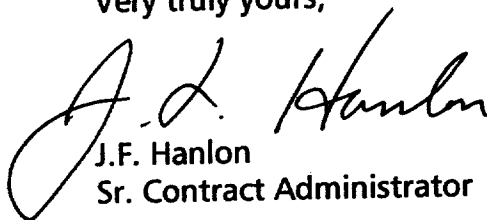
ITT is currently under contract with the U.S. Army-CECOM (Contract DAAB07-96-C-C760). As part of the requirement of the contract, ITT is required to test prototype antennas for the NTDR system. We would like to begin testing in the Fort Wayne, Indiana vicinity as soon as possible through December 2000. Testing will take place primarily during business hours (Monday-Friday, 7:30-4:30) and will continue over the next 15 months.

Detailed technical characteristics of the radio system are given in Exhibit 1 and 2. An FCC form 442 and FCC form 159 and a check for \$45 are enclosed.

Authorization to test as soon as possible would be greatly appreciated. The Government POC for this effort is Leo Emery at CECOM (732-427-3445).

If you have any questions, please contact the undersigned at (219) 451-6813.

Very truly yours,



J.F. Hanlon
Sr. Contract Administrator

JFH/ksa

Enclosures FCC form 442 and 159
 Check in the amount of \$45
 FCC form 442 w/Exhibit 1 and 2

REVISION TO TEP

30 APR 98

ITT current Task Execution Plan does not address the removable antenna requirement for the current antenna. ITT failed to consider this portion of the SOW (para 2.3) as part of this TEP. As part of this TEP, ITT is required to perform this task.

PM TRCS redirects ITT to procure four of the prototype antennas rather than six of the prototype antennas (change to the current SOW).

ITT to procure two quick release version of the current antenna for test and evaluation (change to the current SOW).

ITT is to perform mechanical test (effect of reinstalling and removing repeatedly, etc) on the dismountable and the prototype antennas (change to the current SOW).

OPNET modeling of each antenna candidate is not necessary. OPNET modeling is to be performed at the conclusion of the antenna testing when specific performance parameters are known. The modeling should compare the network performance of the current antenna and that of the prototype antenna and the dismountable antenna. The output should show the differences in the Clustering and network throughput based on a standard scenario such as EPG TOC to TOC scenario.

The SOW for the T&M task for the NTDR technical enhancements, dated 27 April 98 is still in effect other than the changes noted above.