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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 13
2. AMENDMENT/MODIFICATION NO. 06	3. EFFECTIVE DATE See Page 1a	4. REQUISITION/PURCHASE REQ. NO. NRR95025 dtd 7/23/96	5. PROJECT NO. (If applicable)	
6. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Two White Flint North - MS T-712 Washington, D.C. 20555	CODE	7. ADMINISTERED BY (If other than Item 6) U.S. Nuclear Regulatory Commission Div. of Contracts Two White Flint North - MS T712 Washington, D.C. 20555	CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP code) PRIME: U.S. Small Business Admin. Attn: Virginia Bellamy-Graham 1110 Vermont Ave; Wash., DC 20005 SUB: The Centech Group, Inc. 4200 Wilson Blvd., Ste 700 Arlington, VA 22203 Tech. Contact: John Wheeler Telephone: 703-525-4444			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			10A. MODIFICATION OF CONTRACT/ORDER NO. X NRC-03-95-025	
			10B. DATED (SEE ITEM 13) 10/1/95	
CODE			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. Offerors 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)

620151190 J2269 BOC:252A 31X0200 \$70,000.00 OBLIGATE

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

X	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. Changes Clause 52.243-2 Cost Reimbursement
	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).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Section B(a) of the Small Business Act
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 2 copies to the issuing office.

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

Modification of contract per continuation sheet

Dr02
0/1

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) See Signature Page 1a	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

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


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NRC-03-95-025 PDR

TRIPARTITE AGREEMENT

Signature Page

SUBCONTRACTOR:

The Centech Group, Inc.

By: 

Date: 8/30/96

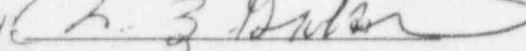
Name: JOHN R. WHEELER
Director Of Contracts

Title: _____

PRIME CONTRACTOR:

U.S. Small Business Administration

Date: 9/24/96

By: 

Name: _____
VIRGINIA BELLAMY-GRAHAM

Title: CONTRACTING OFFICER

U.S. NUCLEAR REGULATORY COMMISSION

By: 

Date: 8/30/96

Name: Elois J. Wiggins

Title: Contracting Officer

The purpose of this modification is to: 1) increase the contract ceiling by \$450,928.42 from \$362,410.04 to \$813,338.46; 2) increase the contract obligated amount by \$70,000.00 from \$361,513.43 to \$431,513.43; 3) modify Article C.1.3 to add Tasks 7 through 15 to (a) develop a fully integrated AIRS Analysis Module (AIRS/AM) and (b) install and test the working AIRS prototype in Region IV, make specified system corrections and improvements to the prototype, and then install the system in all regional offices and at all reactor sites; 4) modify C.1.4 to require additional technical qualifications; 5) modify Article C.1.5 to add additional travel requirements; 6) modify Article E.3 Performance and Acceptance of the Prototype System to include performance requirements for the final system; 7) modify F.4 Duration of Contract Period to extend the period of performance from an expiration date of 10/18/96 to an expiration date of 2/17/98; 8) Modify Section F, Article F.5 to include dates for delivering Technical Letter Reports for the additional tasks; and 9) modify Section J to replace Attachment 08 "AIRS Project Schedule dtd 3/1/96 with the AIRS Project Schedule dtd 8/19/96".

The contract is hereby modified as follows:

1 & 2. Subparagraphs (a), (c), and (d) of Article B.3 of Section B are deleted in their entirety and the following are substituted therefor:

(a) The total estimated cost to the Government for full performance of this contract is \$813,338.45 of which the sum of _____ represents the estimated reimbursable costs, and of which \$_____ represents the fixed fee.

(c) The amount currently obligated by the Government with respect to this contract is \$431,513.43 of which _____ is the total estimated reimbursable costs and of which _____ represents the fixed fee.

(d) It is estimated that the amount currently allotted will cover performance through 2/17/98.

3. Section C, Article C.1.3 is hereby modified to add Tasks 7 through 15 to (a) develop a fully integrated AIRS Analysis Module (AIRS/AM) and (b) install and test the working AIRS prototype in Region IV, make specified system corrections and improvements to the prototype, and then install the system in all regional offices and at all reactor sites. As a result of these additional tasks the AIRS/AM shall have the following characteristics:

- (a) Permit pre-defined and ad hoc, structured queries utilizing elements of the AIRS Database, including text fields and codes, facility characteristic data, full text files of inspection reports, and effort (hour) data in the Regulatory Information Tracking System (RITS).
- (b) Permit queries utilizing database analyses, statistical analyses, and full text search tools, either singularly or in combination.

- (c) Retrieval of both text and graphic material.
- (d) Analytical capability should include statistical measures such as mean, median, and regression.
- (e) Adequate storage capacity to include both recent and archived report files.
- (f) Design of AIRS/AM should be compatible with, and incorporate, the listing and analytical capabilities previously described in the contract dated October 1, 1995 and any successor modifications and extensions.
- (g) Acceptable speed across the range of searches and analyses from the simple (approximately 2 seconds for processing) to the very complex (no more than 2 minutes).
- (h) AIRS/AM should be designed to be intuitive and easy to learn.

TASKS 7 through 11 follow:

C.1.3.6 Task 7: AIRS/AM Analysis Requirements

A. Database Evaluation

The contractor shall review the components of AIRS and RPS, including the facility file and RITS, to determine those data elements that could be useful in the analysis of inspection report data. The contractor shall discuss with IRM previous efforts to develop a download program for the analysis of inspection effort (hour) data in a project called RIPAS. The contractor will group data elements into categories that intuitively appear to be related to classes of analyses.

B. Analysis Needs

The contractor shall meet with and discuss the needs for analysis by regional and headquarters personnel. To the extent possible, the contractor shall define the analytical needs in terms of data elements whether or not these elements are contained in any existing systems or files. The contractor shall also examine the potential need for the full text searching of inspection reports, as a means of determining the kinds of searches required, the storage capacity for both active and archived reports, and the licensing requirements for software. The contractor shall determine the need to load past inspection reports into the proposed system, recognizing that these reports will not have their components saved in database format. The contractor shall consider the potential role of statistical measures in the kinds of analyses that are commonly required in NRR. Finally, the contractor will seek to determine the acceptable threshold time limits for doing either analyses or full text searches.

C. Missing Data Elements

Based on the interviews with regional and headquarters personnel, the contractor shall determine which kinds of analyses could not be accomplished because existing systems and files do not contain specific data elements. The contractor shall propose strategies to correct this deficiency.

D. Technical Letter Report

The contractor shall provide a technical letter report (TLR) to the NRC Project Officer and the NRC Contract Officer which discusses the results of the above reviews and any recommendations as to adding missing data elements. The contractor shall consider using the format of the Requirements Document prepared for previous work on AIRS as appropriate for the TLR. The NRC shall review the TLR and provide comments within fifteen (15) working days of receipt. Upon receipt of the NRC Project Officer comments, the contractor shall revise/edit the TLR and submit a revised TLR.

C.1.3.8 Task 8: AIRS/AM Design

A. Concept Design

The contractor, in consideration of the kinds of analyses and searches that the NRR staff would conduct, shall prepare a conceptual design that will consider, at a minimum, the following items:

- (1) performance characteristics,
- (2) full text storage capacity for the analysis module in both active and archival files,
- (3) combining database analyses with full text searches,
- (4) the method of querying and logical relationships for structured queries,
- (5) location of the data,
- (6) relationships with the plant performance, facility, and RITS data files,
- (7) missing data elements,
- (8) common elements that link data element tables,
- (9) the kind of full text searches that would be done, and
- (10) compatibility with developed aspects of AIRS and RPS.

B. Software Selection

On the basis of the conceptual design developed in Task 7A above, the contractor shall consider and recommend software alternatives that would meet the requirements specified for AIRS/AM. For database analysis, the contractor shall evaluate the appropriateness of Microsoft Access, considering the benefits and the costs including the existing commitment to this software. The contractor shall evaluate full text search software alternatives in terms of search features and the range of search types and their appropriateness for NRR; at a minimum, the contractor shall consider PCDOCS, ZylImage, and Personal Librarian which were also evaluated for the TRS and Millstone projects. If required by the kinds of analyses, the contractor shall also evaluate

statistical software to determine a program that meets the office's needs. In all instances the selection of software shall be guided by the following criteria:

- (1) ease of use.
- (2) appropriateness for office use.
- (3) operational performance as measured over time.
- (4) extent of instantaneous use.
- (5) compatibility with a Windows environment.
- (6) compatibility with each other.
- (7) quality of handbook materials and tutorials, and
- (8) cost effectiveness and cost, both initial and long term.

NRC will be responsible for the purchase of software recommended by the contractor.

C. Data Model

The contractor shall integrate the information, findings, and conclusions of Tasks 7, 8A, and 8B and develop a data model for all elements of AIRS/AM. The model will indicate, at a minimum, the logical and physical attribute names, attribute definitions and notes, the key, and the data type/ null option characterization.

D. Logical Mapping

The contractor shall develop a series of logical relationships indicating the following:

- (1) the flow of data to and from AIRS/AM and the connections to AIRS and RPS, including RITS, as currently conceived and developed.
- (2) the structure of the files within the module, and
- (3) the structure of the decision trees that characterize the decisions of users of AIRS/AM.

E. Navigational Model

The contractor shall describe in detail the screens to be developed with the following information at a minimum:

- (1) the name of the screen
- (2) programming designation
- (3) the action which opens this screen
- (4) the succeeding screen or screens

F. Presentation

The contractor shall present the findings of Tasks 8A through 8E to the NRR Project Officer and other NRC representatives selected by the Project Officer.

The purpose of the presentation is to ensure that the contractor has captured all known requirements for the system. The presentation shall be given at NRC's Rockville headquarters, at a date and time mutually agreed upon, but after the completion of Task 8E.

G. Technical Letter Report

The contractor shall provide a TLR to the NRC Project Officer and the NRC Contract Officer which provides a full system description of the concept design, software requirements, the data model, screens, logical relationships, and the kinds of analyses that would be available to users. The NRC shall review the TLR and provide comments within fifteen (15) working days of receipt. Upon receipt of the NRC Project Officer comments, the contractor shall edit/revise and then provide a revised TLR to NRC.

C.1.3.9 Task 9: AIRS/AM Development and Testing

A. AIRS/AM Programming

Based on the work in Task 8, the contractor shall develop and provide to NRC a working prototype of AIRS/AM using the same development software employed in the programming of the AIRS prototype. This task shall require that the contractor demonstrate the following:

- (1) the development of all input and output screens;
- (2) the development of all linkages to existing components of AIRS and RPS;
- (3) full functionality for all pre-programmed queries, and ad hoc, structured queries;

B. AIRS/AM Testing

The contractor shall operate AIRS/AM under test conditions that will demonstrate the features and functionality as determined in Task 7. Testing shall be performed at NRC's headquarters in the existing AIRS testbed.

C. Users Documentation

The contractor shall prepare documentation using AIRS/AM. This documentation shall indicate the step-by-step procedures to access all pre-programmed queries resulting in listings and analyses as well as all classes of ad hoc, structured analytical queries. This documentation will be incorporated into the users manual to be developed for AIRS.

D. Technical Letter Report

The contractor shall provide a TLR to the NRC Project Officer and the NRC Contract Officer which describes AIRS/AM, including the user documentation, and any recommendations for further development including additional pre-programmed reports and the need for additional data missing from the facility

file. The NRC shall review the TLR and provide comments within fifteen (15) working days of receipt. Upon receipt of the NRR Project Officer comments, the contractor shall provide a revised TLR.

C.1.3.10 Task 10: AIRS/AM Implementation

A. Installation

Consistent with the previously established schedule for AIRS, the contractor shall install the integrated version of AIRS containing AIRS/AM in Region IV, and subsequently in the other regions

B. Training

The contractor shall develop a training program and tools for demonstrating the features and functionality of AIRS/AM as part of the overall training program.

C. Technical Letter Report

The contractor shall provide a TLR to the NRC Project Officer and the NRC Contract Officer which discusses the installation of AIRS/AM and recommendations for changes to the training plan. The NRC shall review the TLR and provide comments within fifteen (15) working days of receipt. Upon receipt of the NRR Project Officer comments, the contractor shall proceed to a revised TLR.

C.1.3.11 Task 11: AIRS Pre-Operation

A. Pre-Installation Meeting

The contractor shall participate in one (1) one-week meeting at the Region IV office in Arlington, Texas for the purpose of discussing the installation of AIRS. This meeting will be held with members of DRS, DRP, and DRMA for the following purposes:

1. to explain the purposes and features of AIRS;
2. to provide a schedule for the installation of hardware and software;
3. to indicate the subsequent time frames for Stage I and Stage II Operations Periods; and
4. to explain NRR/contractor on-site assistance during the operation period.

A Region IV coordinator will select the staff and provide logistical support for this pre-installation meeting.

B. System Documentation

The development of a users manual was a requirement of Task 6. This manual was intended to summarize the operations of AIRS and provide guidance to

summarize the operations of AIRS and provide guidance to operating users. The contractor shall review the manual, edit the text so that the manual could be disseminated widely as a reference document and as a teaching tool, and provide a camera ready copy to the NRC. The contractor shall develop a one (1) page "quick glance" summary guide for the user community, also in camera ready format. The NRC will reproduce the manual and the one page summary in sufficient quantity as to satisfy the demand in Region IV Stage I Operations Period and in headquarters. The contractor shall also produce an installation guide to be used by IRM or others. This guide shall provide step-by-step guidance on the installation of AIRS and shall cover troubleshooting conditions.

C. Installation

The contractor shall load all client software on selected site-based computers as determined by the Region IV contact. The contractor shall also assist IRM in the installation of program software on the region-based and headquarters servers. The contractor shall also test the operability of the software to ensure that all requirements of the system perform in the Region IV environment, including system interoperability from remote sites and the requirements for accessing data for inspection planning and for transmitting data to the AIRS database and TRS. The contractor shall be responsible for any changes to software and system design to ensure the compatibility of AIRS with the region IV operating environment.

D. Preparation For Training

The contractor shall, in consultation with the Region IV contact and the NRR Project Officer, prepare a schedule for training and a syllabus of the material to be covered. In anticipation of training which will occur in a classroom format, the contractor shall develop teaching aids to include, but not be limited to, overhead slides, computerized screens, handouts, and scenarios to be used in actually demonstrating the capabilities of AIRS.

C.1.3.12 Task 12: AIRS Region IV Operation: Stage I

A. Training and Operation

The contractor shall lead a training session(s) during a one (1) week period for Region IV personnel involved in Stage I operations; the contractor shall assume an enrollment of fifty (50). It is anticipated that only those residents within one (1) DRP branch and all DRS inspectors in the region will operate AIRS in this stage for a cycle of two (2) inspections, or a period of sixteen (16) weeks. For part of this period, the contractor's representative(s) will be resident at the regional office and will provide technical support to the users; to enhance communications, the contractor will establish a help-line within the NRC communication system that will have pre-recorded messages for use by the user community. The contractor shall also conduct training sessions for headquarters personnel numbering fifty (50).

B. Modifications

During the Stage I installation and operation of AIRS, problems, issues, or alternate procedures will emerge. With the concurrence of the AIRS Project Officer, the contractor shall propose and develop solutions -- either programming or procedural -- for these conditions and implement them within one (1) week of the end of the Stage I Operations Period.

C.1.3.13 Task 13: AIRS Enhancements

A. Develop Program Enhancements

During the Stage I operation of AIRS, the contractor shall improve the utility of AIRS by developing additional features as follows:

1. a standardized data table format for the PPR, SALP and SMM reports and for the text of report;
2. computer security requirements for safeguards inspection reports, recognizing the security implications of such reports;
3. providing an interface with the Allegation Management System;
4. implementing the functionality of the Inspection Follow-up System and the Inspection Report Tracking System in AIRS;
5. track inspection report documents and changes to these documents through the editing and approval process; and
6. support for advanced text editing and embedded graphics.

This effort will involve the definition of requirements, the update of the data model and the AIRS requirement Specification, the development of test plans, the development of a database roll-out strategy, an update of the navigational model, and the development of the client software.

B. Enhancement and Modification Testing

The contractor shall test the refinements to AIRS developed in A. above and the modifications resulting from Task 12B in the headquarters test environment.

C. Revised Users Manual

The contractor shall produce a revised users manual in quantities sufficient to satisfy the demand for the full deployment of AIRS in Region IV. The contractor shall distribute the revised users manual to all personnel in Region IV and to participants in headquarters.

C.1.3.14 Task 14: AIRS Region IV Operation: Stage II

A. Region-Wide Deployment

Stage II Operation of AIRS in Region IV will involve the deployment and testing of software to all remaining sites in the Region, including the Walnut

Creek Field Office. For planning purposes, the time allotted shall be considered one week.

B. Training and Operation

At the time of installation, the contractor shall provide training for all remaining on-site personnel. The operational test period for the remainder of Region IV site-based personnel shall be sixteen (16) weeks. At the conclusion of the Stage II Operation test period, the contractor's help line will be closed and transferred to NRC headquarters.

C. Modifications

The contractor shall review operational problems brought to his attention and, in consultation with the NRR Project Officer, shall make such modifications as to correct difficulties, problems, or ambiguities, or to design preferred alternatives associated with the use of AIRS.

C.1.3.15 Task 15: AIRS Nationwide Operation

A. Installation

The contractor shall be ready to assist IRM in the installation of all software components throughout the remaining regions and in headquarters. The installation will be facilitated by regional contacts who will provide logistical support. IRM shall test the operability of the software, ensure that all requirements of the system operate as specified, including system interoperability from remote sites and the requirements of accessing data for inspection planning and of transmitting data to the AIPS database and TRS. The contractor shall advise IRM on the resolution of problems associated with installation and be responsible for any changes to software and system design to ensure the compatibility of AIRS with the regional operating environments. This SOW assumes that at the time of installation in the three (3) remaining regions upgrades will have been made to remote site interoperability; this would negate the installation of client software at the remote sites.

B. Users Manual

The consultant shall develop a final users manual in camera ready copy and revise the one (1) page "quick glance" summary guide for the user community. The NRC will be responsible for printing both the manual and the guide and distributing them throughout the nation. The contractor shall also review and produce ten (10) copies of the final installation guide after the installation nationally.

C. Training

The contractor shall, in consultation with the regional contacts, prepare a schedule for training and a syllabus of the material to be taught. In anticipation of training which will occur in a classroom format, the

contractor shall review the teaching aids previously developed and revise them accordingly. The contractor shall lead training sessions for each of the remaining regions and headquarters personnel. For planning purposes, the training session shall occur within a two (2) week period in each region.

D. Operation

AIRS will operate for a cycle of two (2) inspections, or a period of sixteen (16) weeks in the first two (2) regions to be trained and fourteen (14) weeks in the last region trained. For this period, the contractor's representative(s) will be available at headquarters through a help-line telephone number that will have pre-recorded messages for the user community.

E. Modifications

With the concurrence of the AIRS Project Officer, the contractor shall propose and develop solutions -- either software or programming -- for problems, issues, or alternate procedures and implement them.

4. C.1.4 is modified as to add the following Technical Qualifications:

... (5) comprehensive systems and programming experience in the design and development of computerized management systems; and (6) particular expertise in the use and development of database, full text search, and statistical analysis systems.

5. Article C.1.5 is modified to add subparagraph (d) for additional travel to be required under this modification as follows:

(d) The NRC does not anticipate that the contractor shall be required to travel outside of the Washington, D.C. area for the purposes of AIRS/AM development. Travel may be required for Tasks 11, 12, 14, and 15 requirements as follows:

Task =====	No. of Trips =====	No. of People =====	Total Duration =====	Location(s) =====
11A	1	1	1 week	Arlington, TX
11C	1	1	1 week	Arlington, TX
12A	4	1	4 weeks	Arlington, TX
14A	1	1	1 week	Arlington, TX
15A	3	1	3 weeks	Philadelphia, PA Atlanta, GA Chicago, IL
15C	3	2	3 weeks	Philadelphia, PA Atlanta, GA Chicago, IL

Formal presentations with the NRC staff shall occur as part of the on-going

program and will be scheduled at the mutual convenience of the NRC and the contractor. The contractor shall maintain a presence at the NRC headquarters building consisting of the key personnel responsible for this modification.

6. *Article E.3 Performance and Acceptance of the Prototype System is modified to (a) revise the title to read "Performance and Acceptance of the Prototype and Final System"; add (b) the following performance requirements shall be required of the final system:*

- (9) access appropriate systems and files, including, but not limited to, the inspection planning component of RPS, the Inspection Manual, and all necessary databases to provide inputs for the detailed planning of reactor inspections;
- (10) receive inputs from remote sites, regional offices, and NRR that will be integrated into a completed report;
- (11) produce inspection reports according to the format prescribed by Inspection Manual Chapter 0610;
- (12) transmit data to the TRS and the AIRS database;
- (13) retrieve and organize data required for the PPR, SALP, and SMM processes and prepare ad hoc reports for those processes;
- (14) replace the functionality of the current IFS and IRTS;
- (15) track inspection report documents and changes to these documents through the editing and approval process;
- (16) transmit completed and approved documents to appropriate NRC staff within the region and outside the region;
- (17) update other systems and components of RPS with relevant data;
- (18) allow the inspection reports to be formatted to include bold, italics, and underline fonts and embedded graphics; and
- (19) provide system security required for safeguards inspection reports.

7. *Article F.4 Duration of Contract period is hereby modified to extend the period of performance from an expiration date of 10/18/96 to an expiration date of 02/17/98.*

8. Article F.5 is hereby modified to add the dates for the technical letter reports to be provided as a result of added Tasks 7 through 15 as follows:

F.5 TECHNICAL LETTER REPORTS

The Contractor shall deliver the technical letter reports specified in each task as follows:

Task Number	Technical Letter Report Due Date
7	10/18/96
8	1/10/97
9	3/21/97
10	4/11/97
11	No TLR required
12	No TLR required
13	No TLR required
14	No TLR required
15	No TLR required

Technical letter report due dates are in accordance with the Contractor's "AIRS Project Schedule" which is attached to this contract as Attachment 08 to Section J.

9. Section J, Attachment 08 "AIRS Project Schedule" dtd 3/1/96 is hereby deleted in its entirety and the "AIRS Project Schedule" dtd 8/19/96 is substituted therefor.

10. This modification hereby obligates FY96 funds in the amount of \$70,000.00.

11. All terms and conditions remain the same.

12. Summary of obligations from date of award through the date of this action:

FY95 Obligations	\$215,400.00
FY96 Obligations	\$216,113.43
TOTAL OBLIGATIONS TO DATE:	\$431,513.43

13. Nothing follows.

THE CENTECH GROUP, Inc.

ID	Task Name	Dur	Start	Finish	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1
1	Mod 5 Contract Award	0d	9/9/96	9/9/96		◆ 9/9					
2	Task 7. Analysis Requirements	30d	9/9/96	10/18/96							
3	1A. Database Evaluation	2w	9/9/96	9/20/96							
4	1B. Analysis Needs	2w	9/23/96	10/4/96							
5	1C. Missing Data Elements	1w	10/7/96	10/11/96							
6	1D. Technical Letter Report	1w	10/14/96	10/18/96							
7	Task 8. AIRS/AM Design	60d	10/21/96	1/10/97							
8	2A. Concept Design	3w	10/21/96	11/8/96							
9	2B. Software Selection	2w	11/11/96	11/22/96							
10	2C. Data Model	2w	11/25/96	12/6/96							
11	2D. Logical Mapping	2w	12/9/96	12/20/96							
12	2E. Navigational Model	1w	12/23/96	12/27/96							
13	2F. Presentation	1w	12/30/96	1/3/97							
14	2G. Technical Letter	1w	1/6/97	1/10/97							
15	Task 9. AIRS/AM Development and Testing	50d	1/13/97	3/21/97							
16	3A. AIRS/AM Development	5w	1/13/97	2/14/97							
17	3B. AIRS/AM Testing	2w	2/17/97	2/28/97							
18	3C. User's Documentation	2w	3/3/97	3/14/97							
19	3D. Technical Letter Report	1w	3/17/97	3/21/97							
20	Task 10. Implementation	15d	3/24/97	4/11/97							
21	4A. Installation	1w	3/24/97	3/28/97							
22	4B. Training	1w	3/31/97	4/4/97							
23	4C. Technical Letter Report	1w	4/7/97	4/11/97							
24	Contract Award	0d	10/21/96	10/21/96		◆ 10/21					

Project: Modification 7
Date: 8/22/96

Task

Progress

Milestone



Summary

Rolled Up Task

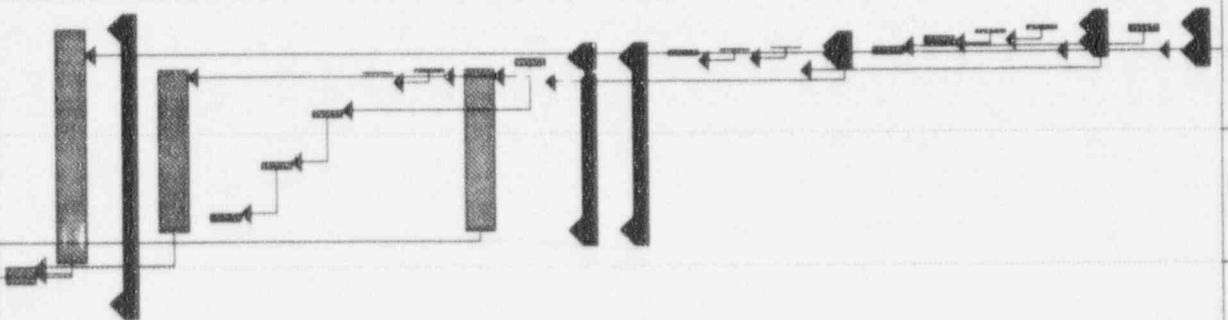
Rolled Up Milestone



Rolled Up Progress

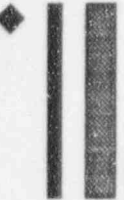


ID	Task Name	Dur	Start	Finish	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1
25	Task 1. Pre-Operation	15d	10/21/96	11/8/96							
26	1A. Pre-Installation Meeting	1w	10/21/96	10/25/96							
27	1B. System Documentation	10d	10/21/96	11/1/96							
28	Update User's Guide	3d	10/21/96	10/23/96							
29	Develop Quick Glance Summary Guide	2d	10/24/96	10/25/96							
30	Develop Installation/Trouble Shooting Guide	1w	10/28/96	11/1/96							
31	1C. Installation	1w	11/4/96	11/8/96							
32	1D. Preparation for Training	5d	11/4/96	11/8/96							
33	Prepare Training Schedule for Region IV operation	0.5d	11/4/96	11/4/96							
34	Prepare Training Syllabus	1d	11/4/96	11/5/96							
35	Prepare Teaching Aids	3.5d	11/5/96	11/8/96							
36	Task 2. Region IV Operation: Stage 1	85d	11/11/96	3/7/97							
37	2A. Training and Operation for Beta 1	85d	11/11/96	3/7/97							
38	Conduct Region IV Training	1w	11/11/96	11/15/96							
39	Technical Support during Operations	16w	11/18/96	3/7/97							
40	Conduct HQ Training	2d	11/18/96	11/19/96							
41	Establish Help line	1d	11/20/96	11/20/96							
42	On-Site Technical Support Trip 1	1w	12/16/96	12/20/96							
43	On-Site Technical Support Trip 2	1w	1/20/97	1/24/97							
44	On-Site Technical Support Trip 3	1w	2/24/97	2/28/97							
45	2B. Modifications	16w	11/18/96	3/7/97							
46	Task 3. AIRS Enhancements	135d	10/21/96	4/25/97							
47	3A. Develop Program Enhancements	23w	10/21/96	3/28/97							
48	3B. Enhancement Testing	2w	3/31/97	4/11/97							



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49	3C. Revised Users Manual	3w	4/7/97	4/25/97							
50	Task 4. Region IV Operation: Stage II	130d	3/10/97	9/5/97							
51	4A. Region-Wide Deployment of Beta 2	1w	4/28/97	5/2/97							
52	4B. Training and Operation	120d	3/10/97	8/22/97							
53	Conduct Region IV Training	1w	5/5/97	5/9/97							
54	Technical Support during Operations	21w	3/10/97	8/1/97							
55	Conduct HQ Training	2d	5/12/97	5/13/97							
56	On-Site Technical Support Trip 1	1w	6/9/97	6/13/97							
57	On-Site Technical Support Trip 2	1w	7/14/97	7/18/97							
58	On-Site Technical Support Trip 3	1w	8/18/97	8/22/97							
59	4C. Modifications	85d	5/12/97	9/5/97							
60	Perform modifications to Beta 2	14w	5/12/97	8/15/97							
61	IRM Acceptance testing of Production release	2w	8/18/97	8/29/97							
62	Correct deficiencies and re-test	1w	9/1/97	9/5/97							
63	Task 5. Nationwide Operation	115d	8/25/97	1/30/98							
64	5A. Assist IRM with installation of Production release	1w	9/8/97	9/12/97							
65	5B. User's Manual	15d	8/25/97	9/12/97							
66	Update User's Guide	13d	8/25/97	9/10/97							
67	Update Quick Glance Summary Guide	2d	9/11/97	9/12/97							
68	5C. Training	25d	9/15/97	10/17/97							
69	Prepare for training	10d	9/15/97	9/26/97							
70	Prepare Training Schedule for nation-wide op	1d	9/15/97	9/15/97							
71	Prepare Training Syllabus	1d	9/16/97	9/16/97							
72	Modify Teaching Aids/Develop advance users	8d	9/17/97	9/26/97							

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73	Conduct training	15d	9/29/97	10/17/97							
74	Conduct region I training	1w	9/29/97	10/3/97							
75	Conduct region II training	1w	10/6/97	10/10/97							
76	Conduct Region III training	1w	10/13/97	10/17/97							
77	5D. Operation	80d	10/6/97	1/23/98							
78	Begin Region I operations	16w	10/6/97	1/23/98							
79	Begin Region II operations	15w	10/13/97	1/23/98							
80	Begin Region III operations	14w	10/20/97	1/23/98							
81	5E. Modifications	17w	10/6/97	1/30/98							
82	Monthly letter status report	321d	11/8/96	1/30/98							
83	Monthly letter status report 1	1c	11/8/96	11/8/96							
84	Monthly letter status report 2	1d	12/6/96	12/6/96							
85	Monthly letter status report 3	1d	1/13/97	1/13/97							
86	Monthly letter status report 4	1d	2/3/97	2/3/97							
87	Monthly letter status report 5	1d	3/3/97	3/3/97							
88	Monthly letter status report 6	1d	3/31/97	3/31/97							
89	Monthly letter status report 7	1d	4/28/97	4/28/97							
90	Monthly letter status report 8	1d	5/26/97	5/26/97							
91	Monthly letter status report 9	1d	6/23/97	6/23/97							
92	Monthly letter status report 10	1d	7/21/97	7/21/97							
93	Monthly letter status report 11	1d	8/18/97	8/18/97							
94	Monthly letter status report 12	1d	9/15/97	9/15/97							
95	Monthly letter status report 13	1d	10/13/97	10/13/97							
96	Monthly letter status report 14	1d	11/10/97	11/10/97							

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ID	Task Name	Dur	Start	Finish	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1
97	Monthly letter status report 15	1d	12/8/97	12/8/97							
98	Monthly letter status report 16	1d	1/30/98	1/30/98							
99	Complete Mod 6	0d	1/30/98	1/30/98							

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