UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

I-NET, Inc.
ATTN: Mr. Terry Simpson
1426 Rockville Pike
Rockville, Maryland 20852

Dear Mr. Simpson:

Subject: Task Order No. 2, Entitled "Network Director Software Support", Under Contract No. NRC-33-89-166

In accordance with Section G.5, "Task Order Procedures", of the subject contract, this letter definitizes Task Order No. 2. This effort shall be performed in accordance with the enclosed Statement of Work and the Contractor's technical proposal dated September 21, 1989, incorporated herein by reference.

Task Order No. 2 shall be in effect from October 16, 1989 through May 11, 1989 with a cost ceiling of $80,067.00. The amount of $74,481.00 represents the total estimated reimbursable costs and the amount of $5,586.00 represents the fixed fee. The following individuals are considered to be essential to the successful performance of this task order:

Terry A. Simpson	Charles A. Boyer
Peter C. Trimmer	Scott A. Brunstrom

The contractor agrees that such personnel shall not be removed from this task order or replaced without compliance with paragraphs b and c of Section H.1 of the contract.

Accounting Data for this Task Order is as follows:

B&R No.: 910-20-07-250
FIN No.: D1229-9
APPN No.: 31X0200.910
Obligated Amount: $80,067.00

The issuance of this task order does not amend any terms or conditions of the subject contract.

Your contacts during the course of this Task Order are:

Technical Matters: Christy Gianois, Jr.
Project Officer
(301) 492-9785

Contractual Matters: Anita Hughes
Contract Administrator
(301) 492-8353

Sincerely,

Paul J. Edgeworth

Paul J. Edgeworth, Contracting Officer
Contract Administration Branch
Division of Contracts and Property Management
Office of Administration

Enclosure:
Statement of Work

Network Director Software Support

Background:

The Nuclear Regulatory Commission (NRC) is engaged in an ongoing program to develop and support Local Area Networks (LANs) within the Commission. These Networks are designed to support the functional requirements of all NRC offices, the EDO, Commissioners and Chairman. Currently there are nine such LANs supporting several hundred users. NRC is now actively engaged in the design and implementation of 34 additional LANS that will serve as a basis for the replacement of the aging IBM 5520 Administrative System. The additional 34 LANs are designed to support over 1000+ users within the Commission.

In order to provide the LAN users with a powerful and easy to use facility to access the functions of the networks, NRC and INEL have jointly designed a software tool that provides that service. The focus of the director is to provide a multi-layered menuing system, that is dynamically modifiable to suit the individual end users environment. The Network Director is intended to be the end user's view of all available NRC computer services. Typically, the end users would access agency wide information systems such as SINET, SIMS, and PROFS through the Network Director with a simple menu selection eliminating many key strokes and cryptic commands.

Because of the ever increasing end user demands for additional functions, services, and features, to be incorporated into the Network Director, NRC is seeking to provide the necessary support for this project by utilizing contractor provided personnel.

STATEMENT OF WORK:

TASK 1: The contractor shall analyze, design and develop a password protection and identification subsystem for the network director that will provide a centralized repository for end-user access identification for all NRC employees and computer systems. At a minimum the subsystem should provide for the storage of an account number, user ID and password for every employee for each of NRC's major information systems that are accessible through the network director. Initially, seven such systems have been identified (ie: SINET, SIMS, NUDOCS, PROFS, RITS, EXISIS and WISP.) At the time any user requests signon to any of these systems the network director should have the ability to pass the appropriate identification information to the target host system and automatically link to the selected communications system. The subsystem should also have the ability to provide the LAN administrator with an easy to use and centrally available mechanism to add, change, delete and report user information.

TASK 2: The contractor shall assimilate and categorize user comments and suggestions for possible modifications to the network director. This is an on-going task that begins on the start date of the task order and ends on the completion date.

TASK 3: Based on knowledge of existing versions of the Network Director software and information gathered during task 2 this task will require the contractor to develop, modify, maintain, install, and document all subsequent versions of the Network Director.

TASK 4: The Network Director is intended to be the NRCs universal end user interface for all network users. The contractor shall retrofit, on designated existing LANs the Network Director software (server & workstation).

All work shall be performed on-site using NRC provided hardware and software located throughout all NRC facilities. These NRC facilities are primarily located within the metropolitan Washington D.C. area. The NRC also has 5 regional offices located in and around the Philadelphia, PA, Chicago, Ill, Atlanta GA, Dallas, TX, and San Francisco, CA areas. Additional NRC satellite offices are located in the Chattanooga, TN and Denver CO, areas. It is anticipated that the contractors work at those NRC facilities outside of the metropolitan Washington D. C. area would be minimal, of short duration, and temporary in nature. Furthermore, at this point in time it is not the intent of the NRC to provide any permanent on-site support for those remote sites and regional offices listed above. On those occasions where contractor personnel are required to travel to those sites the cost of that travel will be born by the NRC according to the appropriate government travel regulations in force at the time of the travel.

Duties shall include, but are not restricted to:

Installation and configuration of the Network Director on each end user's local workstation and LAN fileserver.

Supporting the NRC network users in the use of the Network Director.

Development, enhancement, maintenance and documentation of the Network Director program code in a manner consistent with the policies and procedures of the NRC.

Ensuring system integrity and readiness by responding, as appropriate, to authorized personnel who may report trouble with the system.

Performing day-to-day maintenance, information retrieval, and

approved modifications to the Network Director as required by changes in regulations or management decisions.

Design and develop updated versions based on operational requirements and NRC staff requests.

Qualifications of Contractor Provided Personnel:

The Individual(s) provided by the contractor shall possess the following minimum requirements:

A thorough knowledge of Microsoft Quick Basic multi-user programming in the Novell Netware environment.

A thorough knowledge of the available add-in subroutine libraries for Microsoft Quick Basic. And specific thorough knowledge of the Crescent Software Inc. subroutine libraries that are used throughout the network director system (ie: Quick Menu, Qbase, Qbase Report, Quick Help, Quick Pak Professional, Qbase Quick Screen, Laser Pak Professional and Graph Pack Professional).

A thorough knowledge of 'C', dBASE III Plus, and Clipper languages as implemented in a multi user programming environment under the Novell Netware operating system.

A thorough knowledge of Crosstalk XVI, ASCOMIV, and Crosstalk MarkIV communications packages with a demonstrated ability to write complex script programs. A demonstrated ability to acquire additional knowledge in communications packages and their script programming languages. Experience with the following communications packages is highly desirable but not mandatory, PC Anyware, Carbon Copy Plus, and Remote.

A demonstrated ability to analyze, design, program, and implement network systems using the identified languages in a Novell Netware environment.

A demonstrated ability to write and edit user and system documentation.

A thorough knowledge of the Novell Netware environment.

Ability to write PC DOS batch programs to systems requirements.

Ability to work independently on difficult technical tasks with minimal supervision.

Have interpersonal skills to interact tactfully, and courteously with every type and level of NRC end user.

Specific Deliverables

TASK 1: A problem statement, with a proposed solution, should be completed 30 business days after commencement of the analysis phase of the project. A logical and physical design are required to be completed 30 business days after NRC approval of the problem statement. The programming phase should commence immediately after approval of the design documents. Documentation and training shall begin immediately after completion of the programming phase.

The contractor shall provide a detailed schedule of all phases of the entire project for NRC approval 10 business days after the start date of this task order. It shall contain milestones with start dates, completion dates, required resources, pert and gant charts for each milestone contained in the phases described above. This schedule should be maintained in one of the NRC's approved project management software packages. (e.g., Super Project Plus)

TASK 2: The contractor shall meet monthly with NRC staff in order to discuss the comments and suggestions raised by the user community. The contractor shall develop an automated mechanism where the user's comments can be stored, reported and submitted.

TASK 3: The contractor will install, maintain, and document on designated LANs, all subsequent versions of the Network Director.

TASK 4: The contractor will provide, within 5 business days of the beginning of this task, a schedule for the installation of the Network Director software (server & workstation) for designated LANS (Table #1).

The contractor will install the Network Director software (Server & Workstation), on designated LANS, within 30 business days after NRC approves an installation schedule.

(TABLE #1)

OFFICE	LOCATION	FILE SERVER	WORKSTATIONS	W/S TYPE	PRINTERS
IRM	MNBB	COMPAQ 386/20 110MB HARD DISK 5MB RAM	37	1	4 HP LASERJET
RO:I	KING OF PRUSSIA, PA	COMPAQ 386/25 300MB HARD DISK 5MB RAM	30	2	1 HP LASERJET 1 EPSON
NRR	WF/1	COMPAQ 386/25 300MB HARD DISK 5MB RAM	21	3	3 HP LASERJET
RES	NL/N	COMPAQ 386/25 300MB HARD DISK 5MB RAM	14	3	5 HP LASERJET
	NL/S	COMPAQ 386/25 300MB HARD DISK 5MB RAM	34	3	3 HP LASERJET 4 NEC PRINTER
IRM/SMSB	P622	IBM AT 30MB HARD DISK 1MB RAM	8	2	1 HP LASERJET
IRM/ITS	P808	COMPAQ 286 30MB HARD DISK 1MB RAM	5	4	NONE
AEOD/OP	MNBB	COMPAQ 286/25 110MB HARD DISK 5MB RAM	3	5	1 HP LASERJET
COMM. ROGERS	WF/1	IBM AT 30MB HARD DISK 1MB RAM	7	2	1 HP LASERJET
COMM. CURTISS	WF/1	COMPAQ 386/20 110MB HARD DISK 2MB RAM	7	2	1 HP LASERJET

Note:

(WORKSTATION TYPE 1) WORKSTATIONS ARE IBM PS/2 MODEL 30'S AND IBM PC/XT'S
(WORKSTATION TYPE 2) IBM PS/2 MODEL 30'S
(WORKSTATION TYPE 3) WORKSTATIONS ARE PREDOMINANTLY IBM PS/2 MODEL 30'S (PC/AT CLASS)
(WORKSTATION TYPE 4) IBM PC/XT'S
(WORKSTATION TYPE 5) COMPAQ 386 DESKPRO