

APPENDIX A

RECORDS PARTIALLY WITHHELD

NUMBER

DATE

DESCRIPTION & EXEMPTION

1. 5/3/89

Letter to Douglas Adai from
Thomas B. Kellam (1 pg.) enclosing
Agency Telecommunications Request
(ATR), (4 pgs.) - Exemption 5.

Mr. Douglas Arai
General Services Administration
Chief Authorization Branch
IRMS/KMAS
18th & F Streets, N.W., Room 3031
Washington, D.C. 20405

Dear Mr. Arai:

In accordance with Federal Information Resources Management Regulation (FIRMR) 201-39.006-4, approval is hereby requested for the Nuclear Regulatory Commission (NRC) to competitively procure a Video Teleconferencing Network to support the NRC's program requirements.

The enclosed Agency Telecommunications Request (ATR) is submitted for your review. Should you have questions regarding this request or require additional information, please contact Brian Brownell on 492-7927 or Mark Flynn on 492-4276.

Sincerely,

Thomas B. Kellam
Thomas B. Kellam, Chief
Telecommunications Branch
Division of Computer and
Telecommunications Services
Office of Information Resources
Management

Enclosure:
As stated

bcc: MFlynn, CNB1

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 5
FOIA- 89-292

A/1

NRC VIDEO TELECONFERENCING NETWORK

1. Agency Information:

Nuclear Regulatory Commission
Washington, D.C. 20555

Technical point of contact: Brian Brownell 301-492-7927
Contracts point of contact: Mark Flynn 301-492-4276

2. Project Title and Description:

The Nuclear Regulatory Commission (NRC) is currently dispersed throughout the Washington Metropolitan area in several different locations, and has five regional offices which are located in King of Prussia, Pennsylvania; Atlanta, Georgia; Glen Ellyn, Illinois; Arlington, Texas; and Walnut Creek, California. NRC is conducting a pilot video teleconferencing program between these locations under DPA KMA-88-0291.

3. Specific Description of Existing Service:

The NRC has been conducting a video teleconferencing pilot program for the past twelve months to evaluate the feasibility of using such a service to support NRC's reactor safety program. As a result of the pilot program findings, NRC has established a requirement to continue the video teleconferencing network.

4. Description of Proposed Service:

The proposed video teleconferencing network will provide the NRC with the capability for compressed full-motion video and audio conferencing, on a point-to-point and broadcast basis. The NRC shall have the capability, on a case by case basis, to determine whether point-to-point or broadcast method is to be used. All necessary equipment and services required to satisfy the video teleconferencing network shall be performed by a single vendor that possesses the technical expertise and background in video teleconferencing systems.

5. Acquisition Strategy.

This requirement will be satisfied using full and open competition.

a. Release of Solicitation Document: June 1, 1989.

b. Contract Award: January 1, 1990.

c. Type of Contract: Fixed Price Requirements.

6. Estimated Contract life and cost:

This will be a three year contract with cost estimate of \$ [REDACTED] GSA multi-year contracting authority is not required.

7. Regulatory Compliances:

The NRC will comply with all applicable regulations as reflected in FIRM 201-38.010 (a) and (b).

Dates of Completion:

- | | |
|---|---------|
| A. Requirements Analysis | 4/28/89 |
| B. Analysis of Alternatives | 4/28/89 |
| C. Support for Specific Make and Model Specifications | N/A |

B. Agency authorized signature, position title, organizational identify:

Thomas B. Kellam, Chief
Telecommunications Branch/DCTS/IRM
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SECTION C. DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 Statement of Work.

C.1.1 Background.

Industry has introduced considerable improvements in teleconferencing technology over the last year. Declining prices and substantial improvements (i.e., lower communications bandwidth, which support video conferencing image and voice compression/decompression, etc.) makes teleconferencing a viable tool for the Nuclear Regulatory Commission's (NRC) reactor safety program. To understand the potential of the new technologies at NRC, the Office of Information Resources Management (IRM) has implemented a pilot video teleconferencing program. This program includes the networking of all NRC Regional offices and Headquarters operations. The five Regional Offices are located in King of Prussia, Pennsylvania; Atlanta, Georgia; Glen Ellyn, Illinois; Arlington, Texas; and Walnut Creek, California. The two Headquarters locations are in Bethesda, Maryland and Rockville, Maryland. The success of the pilot program has demonstrated that video teleconferencing on a permanent basis will be of substantial benefit to the NRC.

C.1.2 Scope of Work.

The contractor shall provide the necessary personnel, and equipment and other support services required to perform installation and ongoing maintenance of the NRC's video teleconferencing network. The contractor shall: maintain the current communications architecture using KU-band frequency range; perform site evaluations including all civil works for future Very Small Aperture (VSAT) installations and submit written reports on such findings; provide point-to-point and broadcasting teleconferencing capabilities using VSATs at all NRC Regional Offices and Headquarters (a total of seven nodes) as identified in C.1.1.; provide space segment capacity with variable transmission rates ranging from 56 kilobits per second to 768 kilobits per second (allowing NRC to select a minimum of three different rates); provide on demand assignment video conferencing (i.e., no prior scheduling required by NRC); provide for the network installation, engineering, space segment allocations and maintenance of all satellite equipment; provide and maintain all network controller software needed to interface with NRC's codecs (i.e., Concept Communications, Inc. Image 30) (Attachment A) and the vendor's satellite service and provide for the VSAT installations, high speed modems with variable rates and network controllers. The NRC estimates that it will use 600 hours of satellite communications time per year for a three year period. All satellite channel usage charges shall be based on actual NRC usage. Network availability of 98 percent within 15 minutes of first access is required for all communications. This includes equipment failure, transponder failure, rain fade, sun transit outage, and hub blockage.

The contractor shall provide for encryption of the audio and video signals. The method(s) of encryption used shall at a minimum comply with the Data Encryption Standard (DES) or the Commercial COMSEC Endorsement Program (CCEP) Type II.

The contractor shall provide, install and maintain all required parts and equipment such as (but not limited to) satellite dishes, cabling, etc. and perform whatever tasks necessary to interface with existing NRC equipment as described above. Further, the contractor will obtain all required building permits and FCC certifications necessary for such installations. The contractor will ensure compliance with all building, fire, and safety codes which pertain to such installations for the duration of this contract.