

EXHIBIT 1

IN RESPONSE TO FCC FORM 442, Page 3, Item 10:

- a. Mobile ground radio equipment will be used to establish communications links through the NASA Satellite ATS-3, providing emergency communications from disaster areas and Search and Rescue locations, where few if any other means of communications might exist. Actual disaster situations as well as training, testing and evaluation exercises will be used to test, demonstrate and refine equipment and methods.
- b. Specific objectives are to work with NASA to develop and test improved means of lightweight, portable, low-cost, reliable communications from disaster sites.
- c. This effort will add to NASA's Lewis Laboratory's research, by providing additional field data. In addition, we will contribute to the technology by providing field experiments of solar powered equipment and new antenna configurations, which might be more suitable for emergency installation at disaster sites.

Lewis Research Center
Cleveland, Ohio
44135

Reply to Attn of 5660

July 5, 1994

Mr. Bascombe J. Wilson,
Executive Director
Disaster Emergency Response Association
P.O. Box 37324
Milwaukee, WI 53237-0324

Dear Mr. Wilson:

This is to inform you that the Disaster Emergency Response Association has been accepted as a member of the Applications Technology Satellite III (ATS-3) Emergency Net and has NASA's approval to use the ATS-3 satellite during the times set aside for net use.

The Applications Technology Satellite III (ATS-3) is a NASA experimental communications satellite launched in 1967. The satellite is in geosynchronous orbit located at 105 degrees west longitude. From this location, reliable communications can be established to most of the western hemisphere. Because it is an experimental satellite owned by NASA, there are no usage fees. Earth terminal equipment is very inexpensive, reasonably easy to transport, and can be linked to the public telephone network at several existing ground stations. Presently, the satellite is used by approximately ten different experimenters each with unusual communications needs.

One approved experiment is the ATS Emergency Net comprised of volunteer stations available to support search and rescue/emergency communications using the satellite in a declared emergency. Some stations have portable equipment stored ready for transport. The satellite's resources can be assigned exclusively to support a declared emergency.

The ATS Emergency Net meets every Wednesday at 1900 UTC using NBFM Channel 2 (TX 149.195 MHz and RX 135.575 MHz) for the purpose of checking the equipment of member ground stations. Time is set aside after the net for members to test and adjust their equipment while using the satellite. This net is a volunteer net since there are no usage fees and NASA does not provide financial support to members.

Attached is a list of terms and conditions. Please make sure you have read and understand them. If you have any questions, please call me at (216) 433-3483; it is very important you fully understand them.

Enclosed is a copy of the "ATS Emergency Net Protocol Manual" and ATS Emergency Net Application. Please answer the questions on the application and return them using the postage-free envelope enclosed. The application will cover your station through the end of 1994. Your authorization from NASA to use the satellite during the emergency net time is granted when the completed form has been mailed back to us.

We look forward to having the Disaster Emergency Response Association as a net member. If you have questions or would like to further discuss the ATS Emergency Net, please call me at (216) 433-3483.

Sincerely,

Michael A. Cauley

Michael A. Cauley
ATS Experiments Manager

3 Enclosures

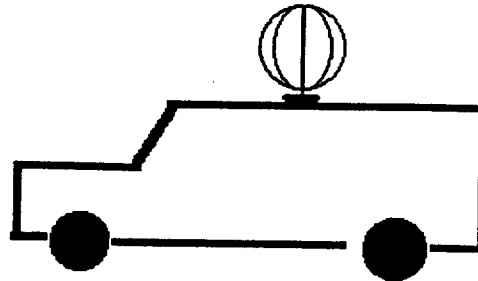
1. Terms and Conditions of Authorization
2. ATS Emergency Net Application
3. Protocol for Activation of NASA's ATS-3

cc:

NASA HQ/C/M.J. Smith (w/encl. 1 only)
ATSOCC/Paul Eden (wo/encls.)

**Disaster Emergency Response Association
Mobile Satellite Earth Station Configuration**

(Typical)



**25-75 Watt Mobile Transceiver
Roof-Mounted M2 Systems "Eggbeater" Antenna
Cross-Polarized, 45 Degree Elevated Radiation Pattern**