

PN-ABC-670

**USER'S GUIDE  
To The  
AID RURAL SATELLITE  
PROGRAM LIBRARY**



A resource collection developed by the U.S. Agency for International Development's Bureau for Science and Technology, Office of Education and the Academy for Educational Development under the AID Rural Satellite Program, contract AID DSPE-C-0081.

## HOW TO USE THE AID RURAL SATELLITE PROGRAM LIBRARY

The library of the AID Rural Satellite Program contains some 1,200 documents focused on the application of communication satellite systems to the delivery of social services in isolated rural areas of the developing world. Established to support the information needs of the Rural Satellite Program, the library includes materials ranging from communication satellite systems to the planning of projects to use those systems for public service applications, to historical documents describing demonstrations and projects that have used satellite systems for public service in the past.

The system that has been developed to give users access to the library documents is a manual card file system. The card file includes an index by the author's last name and a cross-index organized according to the descriptors on the attached list. Each document has a maximum of four cards in the card file, one filed in the author index and three in the subject cross-index.

To use the system, a researcher must first identify the documents he or she would like to see, then locate the document.

IDENTIFYING WHICH DOCUMENTS YOU WANT TO SEE:

A brief look at the list of descriptors will help you to pinpoint those sections of the subject index that will be most useful to you. (See attached list.) You then proceed to the card index and look at the cards in your subject areas. (A sample card is reproduced here.)

**DESCRIPTORS**

HERMES/CTS EXPERIMENTS  
EVALUATION  
EDUCATION

RESEARCH  
UNIV OF QUEBEC OMNIBUS NETWORK  
STANFORD & CARLETON U TV CURRIC  
MEMORIAL UNIVERSITY TELEMEDICINE

**TITLE**

EDUCATIONAL EXPERIMENTS WITH THE COMMUNICATIONS TECHNOLOGY  
SATELLITE: A MEMO FROM EVALUATORS TO PLANNERS

**ACCESS NO.**  
SPF0069

**AUTHORS**

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**SPONSOR**

NATO, NORTH ATLANTIC TREATY ORGANIZATION  
DEPARTMENT OF COMMUNICATIONS, CANADA

**JOURNAL**

**VOL. & PAGE NO.**

**PUBLISHER**

NATO SYMPOSIUM ON THE EVALUATION AND  
PLANNING OF TELECOMMUNICATIONS SYSTEMS

**PLACE-DATE**  
(1977)

Note that under "Descriptors" there are usually three listings in the lefthand column and four in the righthand column. Those in the lefthand column are the primary descriptors; each document has a subject card filed for each of its primary descriptors. The descriptors in the righthand column are secondary descriptors, provided to give you more information about the document's contents.

When you find a card for a document that you would like to see, write down the "Access No." This number will enable you to locate the document on the shelves or in the library files.

#### LOCATING A DOCUMENT:

Documents can be found either on the library shelves or in the library file drawers. Generally if a document is thick enough or stiff enough it will be on a shelf; if it is slimmer or floppier it will be in the files. You can tell which place to look by the third letter of the Access Number: if this is an "s", the document is on the shelf; if it is an "f", the document is in the files.

The first two letters of the Access Number will tell you on which shelf or in which file the document is located. The codes for these locations are as follows:

SS = SATELLITE SYSTEMS  
HD = HARDWARE (GROUND SEGMENT)  
IN = INDUSTRY AND GOVERNMENT TECHNICAL AGENCIES  
PO = POLICY  
RS = RESEARCH  
PP = PROJECT PLANNING  
AP = APPLICATIONS  
SP = SATELLITE PROJECTS  
CF = COUNTRY FILES

In each category, documents are arranged on the shelves and in the files in straight numerical order. The four numbers that form part of the Access Number tell you where the document is in the numerical sequence on the shelf or in the file.

For example, in the sample card above (Access No. SPf0069), the document is in the "Satellite Projects" "file," document number 0069.

Once you find the document you are looking for, remove it from the shelf or from the file (leaving the file folder in the drawer). If you need to photocopy part or all of the document, we can provide photocopying privileges at a charge of five cents per page.

When you are finished using a document, place it on the shelf marked "Documents to be Shelved."

The "Satellite Systems" file is an exception to the rule at this point. In that file, the documents are in file folders arranged in the order found on the list of descriptors attached; the file folders are not numbered.

DESCRIPTORS FOR CLASSIFYING RSP LIBRARY MATERIALS

SATELLITE SYSTEMS (SS)

SATELLITE HARDWARE (General)

ORBITAL LOCATION INFORMATION

FREQUENCY INFORMATION

TRANSPONDERS

US COMMUNICATION SATELLITE SYSTEMS

Advanced Communications Technology Satellite (ACTS)

AT&T (TELSTAR)

Applications Technology Satellites (ATS)

Aurora

Comsat General (COMSTAR)

Comsat General (MARISAT)

Comsat DBS

GTE Satellite Corporation (GSTAR)

Hughes Communication Inc. (GALAXY)

RCA (SATCOM)

Satellite Business Systems (SBS)

Southern Pacific Communications Corporation (SPCC)

U.S. Satellite Systems, Inc. (USAT)

Western Union - WESTAR

Western Union TDRSS/Advanced WESTAR

CANADIAN SATELLITE SYSTEMS

ANIK

CTS/HERMES

DBS

EUROPEAN SATELLITE SYSTEMS

European Communications Satellite (ECS)

EUTELSAT

ITALSAT (Italy)

L-SAT

LUXSAT (Luxembourg)

NORDSAT (DBS)

Orbital Test Satellite (OTS)

SIRIO (Italy)

Soviet Satellites (INTERSPUTNIK)

SYMPHONIE

TELE-X (Sweden)

TELECOM (France)

TV-SAT-TDF (France & Germany-DBS)

AFRICAN SATELLITE SYSTEMS

AFROSAT (Panafstel)

ASIAN SATELLITE SYSTEMS

ASEANSAT

China (STW)

India

APPLE

INSAT

Indonesia (PALAPA)

Japan

LATIN AMERICAN/CARIBBEAN SYSTEMS

Brazil

BRAZILSAT

SACI

Colombia (SATCOL)

Mexico (SATMEX)

CONDOR (Andean Group)

SERLA (Latin America)

MIDDLE EASTERN SATELLITE SYSTEMS

ARABSAT

Israel

SABS (Saudi Arabia)

ZOREH (Iran)

OCEANIA SATELLITE SYSTEMS

AUSSAT (Australia)

INTERNATIONAL SATELLITE SYSTEMS

GLODOM

LEASAT

INTELSAT

INTELSAT Facts and Figures

INTELSAT Procedures

INTELSAT Historical

INTELSAT/COMSAT

INTELSAT Satellite Technical Details

INTELSAT DOMESTIC SYSTEMS

DIRECT BROADCAST SATELLITES

REMOTE SENSING SATELLITES

Landsat

RADARSAT (Canada)

METEOROLOGICAL SATELLITES

MARITIME SATELLITES

Inmarsat

SEARCH AND RESCUE SATELLITES

MOBILE SATELLITES

LAUNCH VEHICLES

Ariane  
Otrag  
Space Shuttle (NASA)

OTHER TRANSMISSION SYSTEMS

Fiber Optics  
Integrated Services Digital Network  
Microwave  
Cable

HARDWARE (GROUND SEGMENT) (HD)

EARTH STATIONS

Antennas  
Portable Earth Stations

POWER SUPPLY

Solar (Photovoltaic)  
Other Renewable Energy Sources  
Diesel Electric  
Power Grid  
Backup  
Fuel Storage

TERMINAL (USER) EQUIPMENT

Cellular Radio  
Computer  
Facsimile  
HF-UHF-VHF Radio-telephone  
Slow-scan Video  
Small PBX  
Switching  
Teleconferencing Terminals  
Telephone  
Television  
Telewriter  
Telex  
Videotex-Teletext (HD)

EQUIPMENT MAINTENANCE

INDUSTRY AND GOVERNMENT TECHNICAL AGENCIES (IN)

HARDWARE MANUFACTURERS

Space Segment

Ground Segment

SOFTWARE SUPPLIERS

SERVICE ORGANIZATIONS

American Educational TV Network

Appalachian Community Service Network (ACSN)

Bell & Howell Satellite Network

Public Service Satellite Consortium (PSSC)

TECHNICAL AGENCIES

CNES (Centre National d'Etudes Spatiales)

European Space Agency

Indian Space Research Organization

NASA

NTIA/ITS

TELESAT Canada

INTERNATIONAL TELECOMMUNICATION TRADE

POLICY (PO)

UNITED STATES

Federal Communications Commission

DOMESTIC (OTHER COUNTRIES)

MULTILATERAL

INTERNATIONAL

Finance

African Development Bank

Agency for International Development

Asian Development Bank  
CIDA (Canadian International Development  
Agency)  
EEC (European Economic Commission)  
Export-Import Bank  
Inter-American Development Bank  
World Bank

Policy Agencies

OECD

United Nations

International Program for the  
Development of Communication (IPDC)  
International Telecommunication  
Union (ITU)

UNESCO

UNISPACE

WARC

NWIO (New World Information Order)

Transborder Data Flow

Information Policy

RESEARCH (RS)

BIBLIOGRAPHY

ECONOMIC

EVALUATION

GENERAL STATISTICS

LONG-RANGE PLANNING

SOCIAL

TECHNOLOGY TRANSFER

TELECOMMUNICATIONS

INFORMATION SYSTEMS

GLOSSARY

PROJECT PLANNING (PP)

COST ANALYSIS

- Earth Station Costs
- Terminal Equipment Costs
- Revenue Data
- Tariffs
- User Costs
- Insurance
- Satellite Access Costs

NEEDS ASSESSMENT

FEASIBILITY STUDIES

ENGINEERING

- Network Planning
- Site Planning
- Site Selection Criteria
- Hardware System Design
- Equipment Installation
- Hardware Performance
- Appropriate Technology

PROCUREMENT

- Procedures
- Import Duties, Fees, Waivers

TRAINING

- Technical Training
- Applications Management Training
  - Short-term
  - Long-term
- Professional Meetings
- Training Institutions & Curricula
- User Training

APPLICATIONS (AP)

APPLICATIONS PLANNING

APPLICATIONS MANAGEMENT

AGRICULTURE

Agriculture Extension

EDUCATION

Distance Education

Educational Broadcasting

Educational Technology

Nonformal Education

Teacher Training

Training

Tutoring

HEALTH AND NUTRITION

Telemedicine

Consultation

Medical Information Delivery

Personnel Training

PROGRAM ADMINISTRATION

DISASTER RELIEF/EMERGENCY COMMUNICATIONS

RURAL DEVELOPMENT

METEOROLOGY

FAMILY PLANNING

PUBLIC SERVICE

BUSINESS APPLICATIONS

NEWS AND PROGRAM EXCHANGE

REMOTE SENSING

SOFTWARE

Software Planning

Software Production

DATA COMMUNICATIONS

APPLICATION MODES

Broadcast  
    Radio  
    Television  
Cable Television  
Electronic Mail  
Facsimile  
Information Retrieval/Computers  
Slow-scan Video  
Teleconferencing  
    Audio  
    Computer  
    Video  
Telephone  
Two-way Radio  
Videodisc  
Videotape  
Videotex/Teletext (AP)

SATELLITE PROJECTS (SP)

AID RURAL SATELLITE PROGRAM  
ATS DEMONSTRATIONS AND PROJECTS  
    Africa Demonstration  
    AIDSAT  
    Alaska Satellite Television  
        Demonstration Project  
    Alaska Telemedicine  
    Appalachian Education Satellite Program  
        (AESP)  
    DISP (Dept. of Interior Satellite Project)  
    PEACESAT  
    Rocky Mountain Demonstration  
    Satellite Instructional Television  
        Experiment (SITE)  
    University of the South Pacific (USP)  
    University of the West Indies (UWI)

ATS/CTS EXPERIMENTS

Veterans Administration  
WAMI Medical Experiment

HERMES/CTS EXPERIMENTS

Lister Hill Interactive Network  
Memorial University Telemedicine  
Ontario Moose Factory Telemedicine  
Ontario Personnel Development  
Project Interchange  
Satellite Teleducation Program (STEP)  
Sioux Lookout Telemedicine  
Stanford & Carleton U. TV Curriculum  
University of Quebec Omnibus Network  
Wa-Wa-Ta Satellite Radio Project

GLOBAL SATELLITE PROJECT (UNESCO)

ANIK-A AND ANIK-B PROJECTS

STARPAHC (PAPAGO INDIANS)

SYMPHONIE DEMONSTRATIONS

ALASKAN SATELLITE COMMUNICATIONS

WORLD BANK EDUCATION SATELLITE PROJECT

NCIES

PROJECT LOOK-UP

INSAT APPLICATIONS

DISASTER RELIEF DEMONSTRATIONS

Mt. St. Helens

Ontario Experiment

PEACESAT

Hurricane Frederick

STEP (India)

COUNTRY FILES (CF)

REGIONS

Africa

Asia

Caribbean

Latin America

Middle East

Pacific

COUNTRIES