

DOCUMENT RESUME

ED 129 245

IR 004 021

TITLE TRISNET; a Network of Transportation Information Services and Activities.

INSTITUTION Department of Transportation, Washington, D.C. Office of the Assistant Secretary for Systems Development and Technology.

REPORT NO DOT-TST-76-87

PUB DATE Jun 76

NOTE 18p.

EDRS PRICE MF-\$0.83 HC-\$1.67 Plus Postage.

DESCRIPTORS *Federal Government; Information Services; *Information Systems; *Networks; *Transportation

IDENTIFIERS *Transportation Research Information Services; TRISNET

ABSTRACT

A national Transportation Research Information Services Network (TRISNET) is being developed by the Department of Transportation (DOT) linking libraries, data bases, and retrieval services with DOT information activities. Core services provide switch and referral, indexing and abstracting, online retrieval, and document delivery. (JY)

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TRISNET

A Network of Transportation
Information
Services
and Activities

June 1976

U. S. Department of Transportation

DOT-TST-76-87

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THE SECRETARY OF TRANSPORTATION
WASHINGTON, D.C. 20590

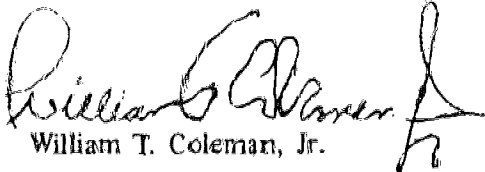
May 24, 1976

The full value of DOT R & D expenditures is realized only when the results of our efforts are used by all levels of government and by the private sector in identifying and solving transportation problems. Knowledge of what has been done and with what result is key. Thus effective dissemination of information about such matters as new technologies, community demonstration projects and financial incentives to use energy-efficient technology are essential elements of a complete R & D program.

All major elements of the Department have established or are developing systematized information services to meet this need. In addition, a national Network of Transportation Research Information Services called TRISNET is being developed to link these services into a system which can provide rapid, reliable and economical response to most of the information needs of those concerned with transportation planning, operations and technology.

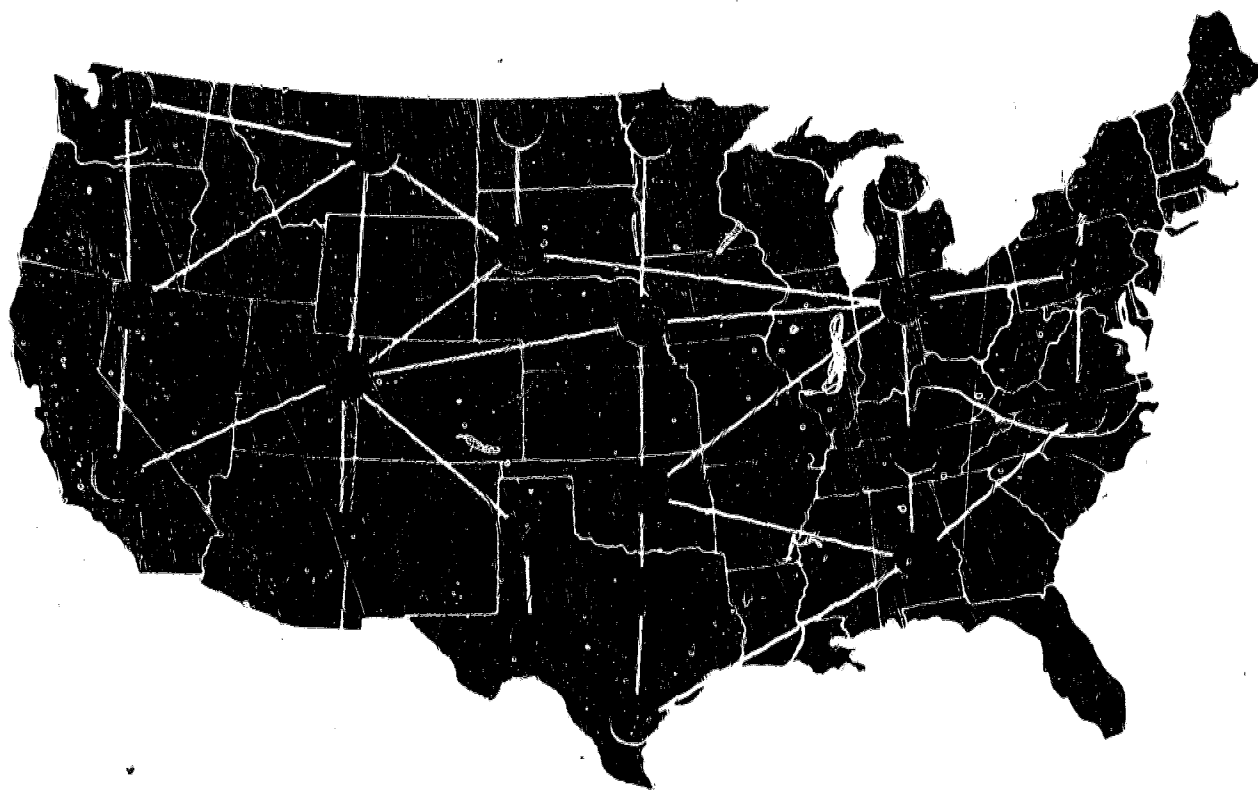
Although TRISNET is not yet fully operational, many components are already in place. We hope through this guide to make you aware of these components and to enable you to make frequent and effective use of the available services.

I invite your comments and criticism about this guide as well as about TRISNET or any of its components. Your response will help us to make TRISNET more relevant to your professional needs and a more effective instrument of information dissemination.


William T. Coleman, Jr.

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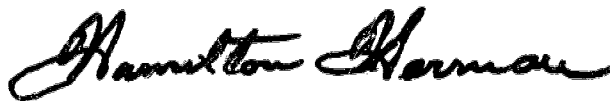


INTRODUCTION

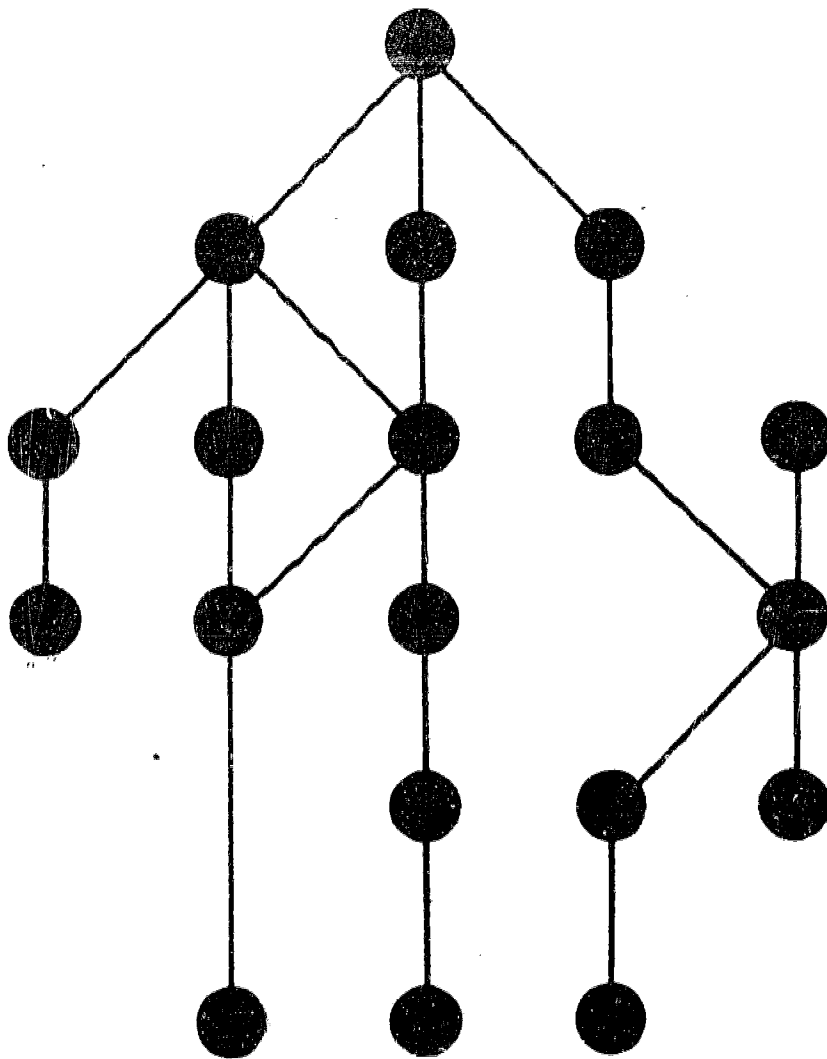
This guide tells you how to achieve access to a major part of the extensive transportation research information which has been published. The contributors of this information are members of a DOT-sponsored national network of Transportation Research Information Services (TRISNET). TRISNET links the Nation's transportation information activities into a system of libraries, data bases, and retrieval services capable of speedy and economic access. The information includes abstracts of transportation literature, photocopies of reports, resumes of planned and on-going research, references to numerical data bases and directories to transportation-relevant information centers. Access to the information is available in several ways: i.e., telephone, data terminal, and written inquiry.

The guide also lists specific contacts for further information and servicing arrangements. We encourage you to use these contacts, as well as the information products of the network, in your planning and research activities.

We will welcome your comments on the quality and usefulness of the services.



Hamilton Herman
Assistant Secretary for Systems
Development and Technology



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WHAT IS TRISNET?

- An evolving national Network of Transportation Research Information Services sponsored by the Department of Transportation

- A cooperative effort among the nation's transportation information services and libraries whose capabilities can be organized to serve the transportation research and planning communities

- A coordinated approach to the sharing of resources, the reduction of unit costs, the application of new technologies, the enlargement of scope and coverage, and increased speed of response

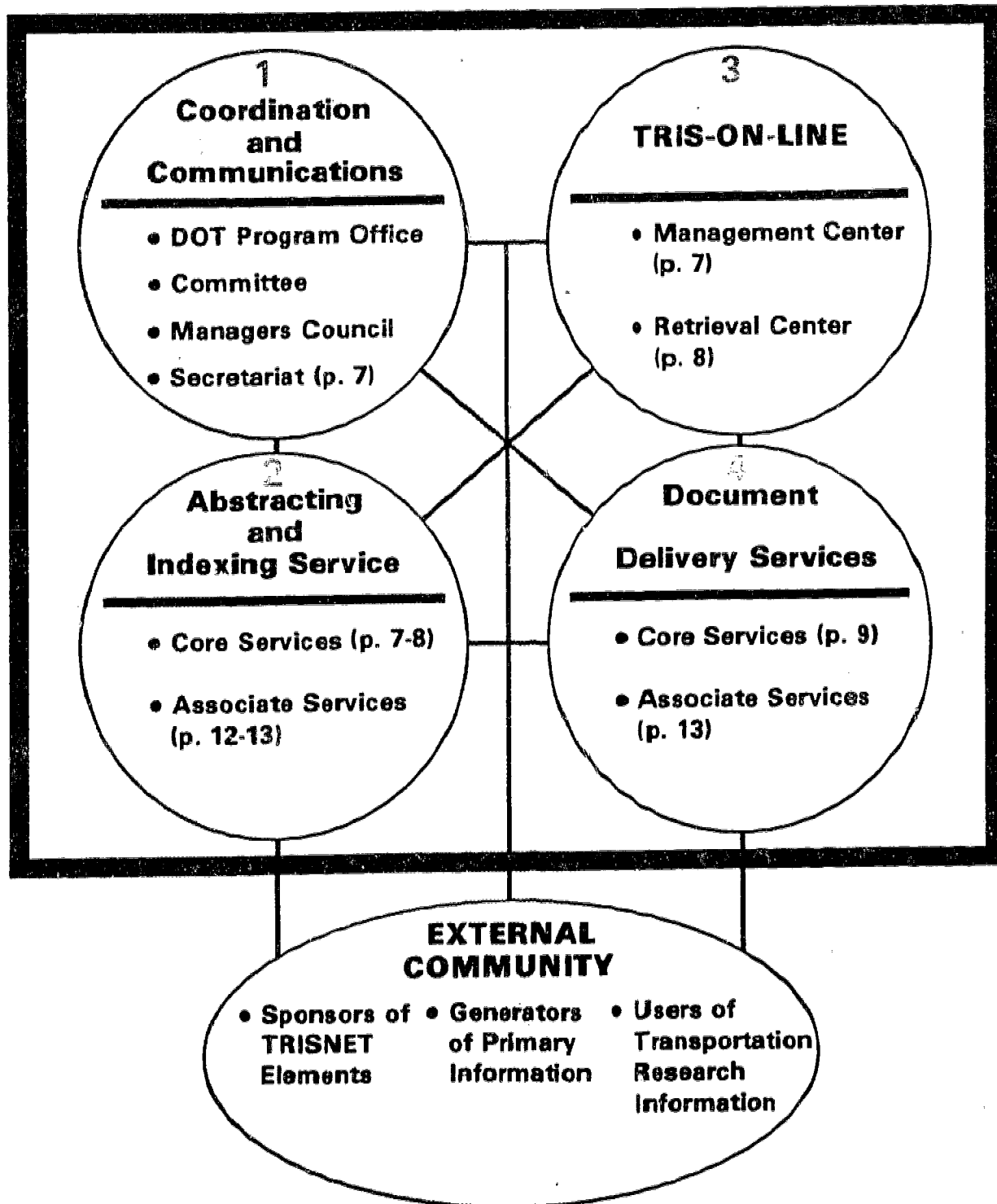
- An array of independent information services and libraries that are linked by a common, on-line data base of
 - Resumes of ongoing work
 - Abstracts of the technical literature
 - Special files on critical topics of widespread interest
 - Statistical information
 - Directory of relevant information services

- Document Delivery Services and Libraries

- Multiple access points to total network resources

- Cooperative information exchange agreements with other national and international information services and networks

COMPONENTS



CORE SERVICES

1-SWITCHING/REFERRAL

TRISNET SECRETARIAT

Transportation Research Board
2101 Constitution Avenue, N.W.
Washington, D.C. 20418

Contact

Dr. P. E. Irick/Mrs. E. A. Pascal
(202-389-6611)

TRIS-ON-LINE MANAGEMENT CENTER

Transportation Systems Center
U.S. Department of Transportation
Cambridge, Massachusetts

Contacts

Mr. R. V. Giangrande
Director, Technology Sharing Program
Cambridge, Massachusetts 02142
(617-494-2486)

2-INDEXING/ABSTRACTING SERVICES

HRIS (TRB)*

Highway Research Information Service
Transportation Research Board
Washington, D.C.

Contact

Mr. A. B. Mobley
HRIS Manager
2101 Constitution Avenue, N.W.
Washington, D.C. 20418
(202-389-6782)

MRIS (MTRB)*

Maritime Research Information Service
Maritime Transportation Research Board
Washington, D.C.

Contact

Mr. D. G. Mellor
MRIS Manager
2101 Constitution Avenue, N.W.
Washington, D.C. 20418
(202-389-6687)

RRIS (TRB)*

Railroad Research Information Service
Transportation Research Board
Washington, D.C.

Contact

Mr. F. N. Houser
RRIS Manager
2101 Constitution Avenue, N.W.
Washington, D.C. 20418
(202-389-6611)

ATRIS (FAA)*

Air Transport Research Information Service
Federal Aviation Administration
Washington, D.C.
20591

Contact

Mr. James G. Cain
(202-426-3675)

*Current ON-LINE Access Point

SERVICES

HSL (NHTSA)*

Highway Safety Literature Service
National Highway Traffic
Safety Administration
Washington, D.C.

Contact

Ms. Winifred Desmond
NHTSA— Technical Reference Division
NASSIF Building (Room 5108)
400 7th Street, S.W.
Washington, D.C. 20590
(202-426-2768)

TRIC (UMTA)*

Urban Mass Transportation Administration
Transit Research Information Center
U.S. Department of Transportation
Washington, D.C.

Contact

Ms. I. Goldstrom
Technical Information Specialist
2100 Second Street, S.W.
Washington, D.C. 20590
(202-426-9157)

3 TRIS-ON-LINE SERVICE

MANAGEMENT/USE AND SERVICE AUTHORIZATION

DOT/TSC

Transportation Systems Center
U.S. Department of Transportation
Cambridge, Massachusetts

Contact

Mr. R. V. Giangrande
Director Technology Sharing Program
Cambridge, Massachusetts 02142
(617-494-2486)

RETRIEVAL CENTER

BCL

Battelle Columbus Laboratories
Columbus, Ohio

Contacts

Mr. David Colombo
505 King Avenue
Columbus, Ohio 43201
(614-424-6424)
Ms. J. Hartley
2030 M Street, N.W.
Washington, D.C. 20036
(202-785-8400)

* TRIS-ON-LINE computers may be used from the terminals located at various state and local institutions, including the organizations listed in this guide with an **ASTERISK***
See page 11 for more details.

4 DOCUMENT DELIVERY SERVICES

DOT/LIB*

Department of Transportation Library
U.S. Department of Transportation
Washington, D.C.

Contact

Ms. Lucile Beaver
Library Director
400 Seventh Street, S.W.
Washington, D.C. 20590
(202-426-2565)

DOT/TIC*

Technical Information Center
Transportation Systems Center
U.S. Department of Transportation

Contact

Mr. T. J. Fitzgerald
Head Information Services Branch
Transportation Systems Center
Cambridge, Massachusetts 02142
(617-494-2016)

ITS/LIB*

Institute of Transportation Studies
Library, Berkeley, California

Contact

Ms. Beverly Hickok
Librarian
412 McLaughlin Hall
University of California
Berkeley, California 94720
(415-642-3604)

NUTC/LIB*

Northwestern University
Transportation Center Library
Evanston, Illinois

Contact

Ms. Mary L. Roy
Librarian
Northwestern University
Evanston, Illinois 60201
(312-492-5273)

DOT/TDC

DOT Technical Documentation Center
c/o National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia 22161

Contact

Mr. James Jennings
5285 Port Royal Road
Springfield, Virginia 22161
(703-451-4468)

TRIS-ON-LINE

WHAT IS TRIS-ON-LINE

- A computerized information-retrieval system of selected references to technical literature and ongoing research resumes
- A system that is accessible from remote computer terminals via ordinary telephone lines
- A dial-up reference service and information directory
- A system that permits searching of data base records by technical keywords in the titles and abstracts, and also searching by specific entry in many other bibliographic and numeric portions of the computer stored record

APPLICABLE DIMENSIONS

The TRIS-ON-LINE data base can be envisioned as having three dimensions. These are (1) Information Type, (2) Transportation Mode, and (3) Transportation Subject. The TRIS-ON-LINE user may qualify his or her on-line retrieval to a single dimension or to various combinations of types, modes and/or subjects. Examples of content within the dimensions are shown below.

INFORMATION TYPES

Abstracts of Technical Reports and Articles
Directories to Data Collections
Directories to Information Services
Numerical Tables and Data Base
Planning/Policy Studies
R&D On-Going Project Resumes
Rules/Regulations

TRANSPORTATION SUBJECTS

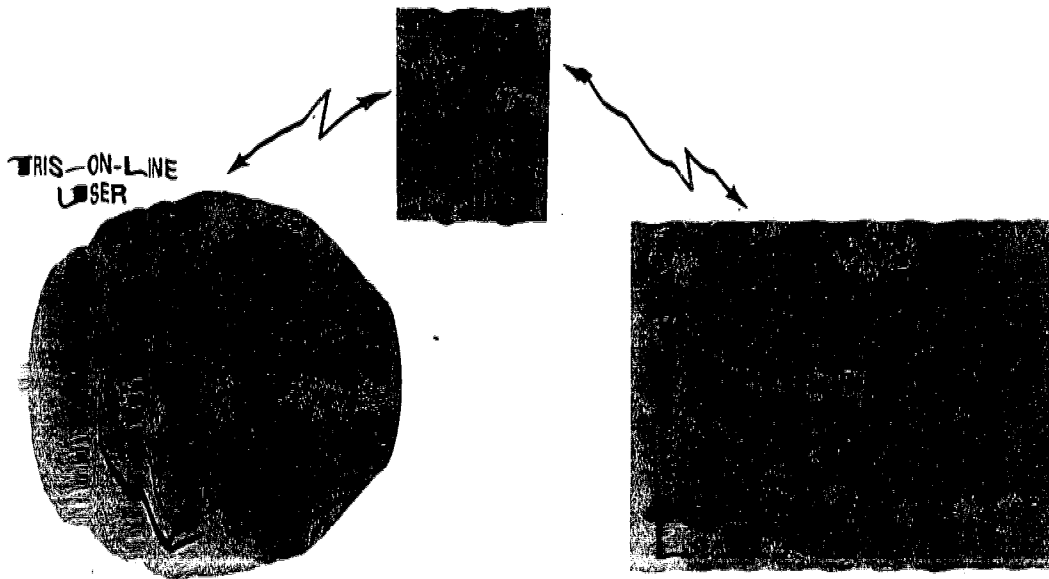
Analytical Techniques
Construction Methods
Safety
Economics
Energy
Environmental Effects
Social Effects

TRANSPORTATION MODES

Air Transport
Highway Transport
Pipeline Transport
Public Transport
Rail Transport
Water Transport

These examples of content within dimension indicate the broad overall coverage within the system data base. The data base, however, is very dynamic in that specific coverage will fluctuate as the data base is updated and/or as users indicate a preference to the specific content of the on-line file.

HOW DOES TRIS-ON-LINE WORK



HOW TO OBTAIN ACCESS TO TRIS-ON-LINE

You can use TRIS-ON-LINE from your own terminal, or from the terminals of others. All TRISNET Services (p. 7-9) have such terminals, and for the cost of the search, will assist you with your information requirement.

The costs of TRIS-ON-LINE usage are based on "connect time". This is the time which elapses while your terminal is connected to the telephone lines. The cost of computer usage is approximately 75¢/minute. The cost of the commercial telephone network is approximately 20¢/minute. Experience shows that an average TRIS-ON-LINE search cost somewhere between \$7.00 and \$20.00 per search.

The use of the system by the officers of the U.S. Department of Transportation is prepaid by the TRISNET Program Office. DOT terminals (or DOT Access Codes) must be used to obtain such prepaid service.

If you wish to install your own TRIS-ON-LINE terminal at your location, you should contact the TRIS-ON-LINE office at the address shown on page 7. You will be expected to acquire a terminal and make arrangements with the DOT-TRIS-ON-LINE contractor (Bettelle Columbus Laboratories) for billing.

ASSOCIATE

AIAA/TIS

American Institute of
Aeronautics and Astronautics
Technical Information Service
New York, New York

Contact

Mr. T. J. Meskel
Director
750 Third Avenue
New York, New York 10017
(212-867-8300)

API/CAIS

American Petroleum Institute
Central Abstracting and Indexing Service
New York, New York

Contact

Mr. E. H. Brenner
Manager
275 Madison Avenue
New York, New York 10016
(212-685-6254)

IRF

International Road Federation
Washington, D.C.

Contact

Mr. G. Wilson
President
1023 Washington Building
Washington, D.C. 20005
(202-783-6722)

IRRD/OECD

International Road Research Documentation
Organization for
Economic Cooperation and Development
Road Research Program
Paris, France

Contact

Mr. G. Loidan
IRRD Administrator
19 rue de Franqueville
75775 Paris, France
(1) 5249242

EI

Engineering Index, Inc.
New York, New York

Contact

Mr. J. E. Creps, Jr.
Executive Director
345 East 47th Street
New York, New York 10017
(212-644-7618)

SSIE

Smithsonian Science Information Exchange
Smithsonian Institution
Washington, D.C.

Contact

Ms. J. Goldstein
Marketing Manager
1730 M Street, N.W., Room 300
Washington, D.C. 20036
(202-381-5511)

UIC/BD

International Union of Railways
Documentation Center
Paris, France

Contact

Mr. V. Canyn
Director
14-16 rue Jean Rey
75015 Paris, France
273-01-20

ICTED/ECMT

International Cooperation in the Field of
Transport Economics Documentation
European Conference of
Ministers of Transport
Paris, France

Contact

Ms. P. Coquand
Head of Documentation
33 rue de Franqueville
75775 Paris, France
524.97.10

SERVICES*

HSRI/PC

Highway Safety Research Institute
Research Information and
Publications Center
Ann Arbor, Michigan

Contact

Ms. K. Weber
Librarian
University of Michigan 48105
(313-764-2171)

TRRL/TILS

Transport and Road Research Laboratory
Technical Information and Library Services
Crowthorne, Berkshire, United Kingdom

Contact

Ms. P. E. Mongar
Head
Crowthorne, Berkshire
RG11 6AU, United Kingdom
Crowthorne 3131

RTAC/IS

Roads and Transportation
Association of Canada
Information Services
Ottawa, Ontario, Canada

Contact

Mr. H. H. Fletcher
Librarian
1765 St. Laurent Boulevard
Ottawa, Ontario K1G 3V4
Canada
(613-521-4052)

CNR/HQLIB

Canadian National Railways
Headquarters Library
Montreal, Canada

Contact

Ms. H. Dechief
System Librarian
935 LaGauchetiere West
Montreal P.Q. H3C 3N4
Canada
(514-877-4407)

NTIS

National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia

Contact

Dr. M. Josephs
Managing Editor
5285 Port Royal Road
Springfield, Virginia 22161
(703-451-4468)

NSCL/SRIS

National Safety Council Library
Safety Research Information Service
Chicago, Illinois

Contact

Ms. R. K. Hammersmith
Library Director
425 North Michigan Avenue -
Chicago, Illinois 60611
(312-527-4800)

*Associate services are those services which have working agreements with one or more core services or with the federal sponsors of these services. They participate in the work of TRISNET Managers' Council, supply abstracts to CORE abstracting and Indexing Services, and serve as supplementary points for document delivery services.

WHY TRISNET

Through the continued development of TRISNET, five factors that contribute to the information crisis can be brought under control:

- Overwhelming amount of information
- Communication gaps between the users and the providers of information
- Lack of discrimination between "good" and "superfluous" information
- Duplicative and uncoordinated efforts of information services
- Unnecessary waste of intellectual resources

TRISNET development deals with these factors of the information crisis and provides more effective use of existing information services and thus meets user needs not previously satisfied.

The assumption behind TRISNET is that, with improved access to transportation information, benefits will be provided to both users and information services that are well beyond those provided at the present time.

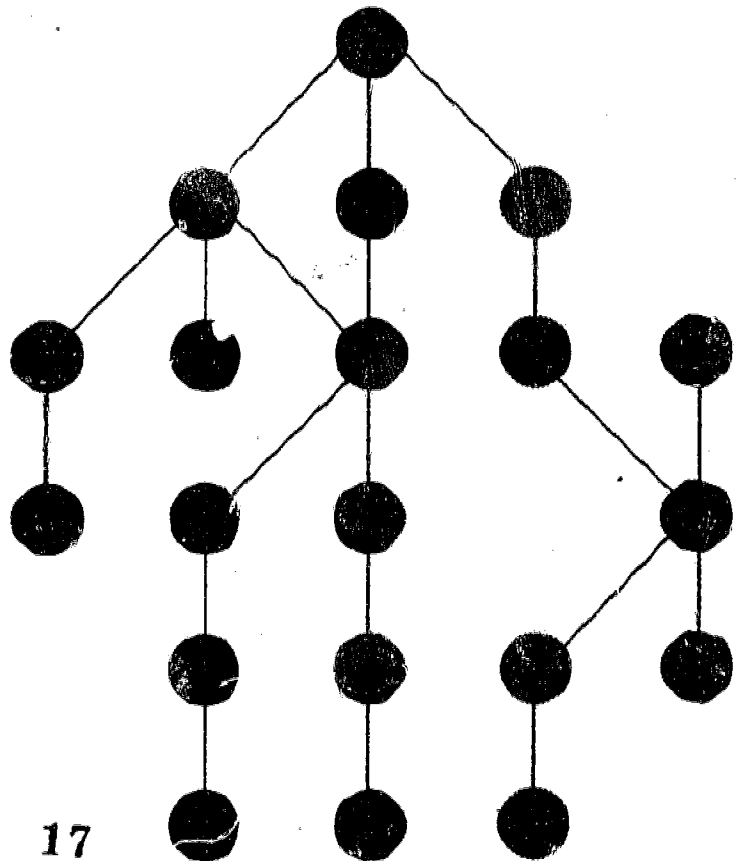
Among the immediate benefits are:

- Lower the overall costs to systems operators by reducing the redundant acquisition and processing of data
- Faster system response
- Better quality and assimilation of information
- Completeness of coverage
- State-of-the-art reports
- Improved dissemination programs
- Specialization and greater efficiency

WHO BENEFITS

You do if you are . . .

- Transportation planners (by gaining access to planning tools)
- R&D managers
- Librarians (by effective resource sharing and hence reduction in costs)
- Transportation researchers
- State and local transportation personnel
- Policy makers
- Regional transportation planning committees
- Transportation consultants
- Industrial planners
- Potential DOT contractors



WHERE TO GET MORE INFORMATION ABOUT TRISNET

• **DOT TRISNET Program Office**
Office of Assistant Secretary
for Systems Development and Technology
Washington, D.C. 20590
Dr. Alexander G. Hoshovsky
(202) 426-0975

• **TECHNOLOGY SHARING OFFICE**
Transportation Systems Center
Kendall Square
Cambridge, Massachusetts 02142
Mr. R. V. Giangrande
(617-494-2486)

• **TRISNET Secretariat**
Transportation Research Board
National Academy of Sciences
Washington, D.C. 20418
Dr. P. E. Irick/Mrs. E. A. Pascal
(202-389-6611)

Periodic information about TRISNET and its services are published quarterly in **TRISNET NEWS**. To receive copies, contact TRISNET Secretariat.