

**PACKAGE ID** - 000156MNF00 ORNL RAIL & BARGE DB

**KWIC TITLE** - Network Database

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**LIMITATION CODE** -COPY                   **AUDIENCE CODE** - LIM

**COMPLETION DATE** - 07/12/1991   **PUBLICATION DATE** - 03/16/1992

**DESCRIPTION** - The Oak Ridge National Laboratory (ORNL) Rail and Barge Network Database is a representation of the rail and barge system of the United States. The network is derived from the Federal Rail Administration (FRA) rail database. The database consists of 96 subnetworks. Each of the subnetworks represent an individual railroad, a waterway system, or a composite group of small railroads. Two subnetworks represent waterways; one being barge/intercoastal, and the other coastal merchant marine with access through the Great Lakes/Saint Lawrence Seaway, Atlantic and Gulf Coasts, the Panama Canal, and Pacific Coast. Two other subnetworks represent small shortline railroads and terminal railroad operations. One subnetwork is maintained for the representation of Amtrak operations. The remaining 91 subnetworks represent individual or corporate groups of railroads. Coordinate locations are included as part of the database. The rail portion of the database is similar to the original FRA rail network. The waterway coordinates are greatly enhanced in the current release. Inland waterway representation was extracted from the 1:2,000,000 United States Geological Survey data. An important aspect of the database is the transfer file. This file identifies where two railroads interline traffic between their systems. Also included are locations where rail/waterway intermodal transfers could occur. Other files in the database include a translation table between Association of American Railroad (AAR) codes to the 96 subnetworks in the database, a list of names of the 96 subnetworks, and a file of names for a large proportion of the nodes in the network.

**PACKAGE CONTENTS** - Media Directory; Software Abstract;

**SOURCE CODE INCLUDED?** - No

**MEDIA QUANTITY** - 2 5.25 Diskettes

**COMPUTER** - MAINFRAMES

**OPERATING SYSTEMS** - MACHINE DEPENDENT

**PROGRAMMING LANGUAGES** - MACHINE DEPENDENT

**SOURCE CODE AVAILABLE (Y/N)** - N

**OTHER PROG/OPER SYS INFO** - Limited to use on United States Government contracts.

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**OTHER PROG/OPER SYS INFO - (CONT)**

**ABSTRACT STATUS** - Abstract first distributed August 1991. ORNL Rail and Barge Database submitted July 1991.

**SUBJECT CLASS CODE** - M

**KEYWORDS** -

O CODES  
DATA BASE MANAGEMENT  
COMPUTER NETWORKS  
RAILWAYS  
BARGES  
INLAND WATERWAYS  
COMPUTER PROGRAM DOCUMENTATION

**EDB SUBJECT CATEGORIES** -

990200 990300 320202 320204

**SPONSOR** - DOE/EM

**PACKAGE TYPE** - SCREENED