

PACKAGE ID - 000156IBMPC01 ORNL RAIL & BARGE DB

KWIC TITLE - Network Database

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

COMPLETION DATE - 09/01/1992 **PUBLICATION DATE** - 03/13/1992

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.

PACKAGE CONTENTS - Media Directory; Software Abstract; File Description; ORNL

SOURCE CODE INCLUDED? - No

MEDIA QUANTITY - TM-12090; Media Includes Data Files;\ 2 3.5 Diskettes

COMPUTER - IBM PC

OPERATING SYSTEMS - MACHINE DEPENDENT

PROGRAMMING LANGUAGES - MACHINE DEPENDENT

SOURCE CODE AVAILABLE (Y/N) - N

UNIQUE FEATURES - Enhancements for the Network 10 release include recent mergers and line abandonments, new shortline railroads, and an expanded list of codes for railroad operating rights. 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. The 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. 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.

RELATED SOFTWARE - This database is available in the loaded form with the INTERLINE rail and barge routing model.

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RELATED SOFTWARE - (CONT)

OTHER PROG/OPER SYS INFO - This database has been copyrighted by Martin Marietta Energy Systems, Inc.

REFERENCES - P.E. Johnson, D.S. Joy, D.B. Clarke, and J.M. Jacobi, INTERLINE 5.0 An Expanded Railroad Routing Model: Program Description, Methodology, and revised User's Manual, ORNL/TM-12090, March 1993.

ABSTRACT STATUS - Abstract first distributed August 1991. ORNL Rail and Barge Database submitted July 1991. Revised version submitted August 1993. Released AS-IS September 1993.

SUBJECT CLASS CODE - M

KEYWORDS -

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

EDB SUBJECT CATEGORIES -

990200 990300 320202 320204

SPONSOR - DOE/EM

PACKAGE TYPE - AS - IS