

PACKAGE ID - 000156IBMPC02 ORNL RAIL & BARGE DB

KWIC TITLE - Network II Database

AUTHORS - Johnson, P.E.
Oak Ridge National Lab., TN (United States)

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

COMPLETION DATE - 09/30/1994 **PUBLICATION DATE** - 03/13/1993

DESCRIPTION - The Oak Ridge National Laboratory (ORNL) Rail and Barge Network 11 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-TM-12090; Media Includes Data Files;

SOURCE CODE INCLUDED? - No

MEDIA QUANTITY - 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 11 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. 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 were greatly enhanced in the previous 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 can occur. Other files in the database include a translation table between

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UNIQUE FEATURES - (CONT) 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.

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

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. Network 11 submitted November 9, 1994. Released AS-IS December 7, 1994.

SUBJECT CLASS CODE - M

KEYWORDS -

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

EDB SUBJECT CATEGORIES -

990200 990300 320202 320204

SPONSOR - DOE/EM

PACKAGE TYPE - AS - IS