

AN INTERIM PROPOSED STANDARD
FOR DIGITAL CARTOGRAPHIC DATA ORGANIZATION

Edited by: Timothy L. Nyerges
National Committee for Digital
Cartographic Data Standards
Numerical Cartography Laboratory
158 Derby Hall
Ohio State University
Columbus, Ohio 43210

Working Group I on Data Organization:

Timothy Nyerges (Chair)	Northwest Cartography, Inc.
Donna Peuquet (Vice-Chair)	Univ. of California, Santa Barbara
Frederick Billingsley	Jet Propulsion Laboratory
A. Raymond Boyle	University of Saskatchewan
Hugh Calkins	State University of N. Y., Buffalo (Working Group IV Representative)
Robert Edwards	Oakridge National Laboratory
Robin Feagas	U. S. Geological Survey
William Liles	Xerox Corporation
David Pendelton	National Ocean Service
Daniel Rusco	Defense Mapping Agency

ABSTRACT

An interim proposed standard for digital cartographic data organization focuses on the topic of data interchange. A conceptual model for data interchange describes the stages of data transformation. Objectives which set the philosophy for a general digital cartographic data interchange format are outlined. The format is defined in terms of data definition records and data records. Data definition records provide information for decoding data records. These data records follow the data definition records in a transmission. Alternative forms of data definition are discussed.