

AN INTERIM PROPOSED STANDARD FOR DIGITAL CARTOGRAPHIC DATA:
BACKGROUND AND REVIEW

Prof. Harold Moellering, Chairman
National Committee for Digital
Cartographic Data Standards
Numerical Cartography Laboratory
158 Derby Hall
Ohio State University
Columbus, Ohio 43210

The Steering Committee of the National Committee for
Digital Cartographic Data Standards is composed of:

| | |
|-------------------------------|--|
| Harold Moellering, Chairman | Ohio State University |
| Lawrence Fritz, Vice Chairman | National Ocean Service |
| Dennis Franklin | Defense Mapping Agency |
| Robert Edwards | Oak Ridge National Laboratory |
| Tim Nyerges | Northwest Cartography |
| Jack Dangermond | Environmental Systems Research Institute |
| John Davis | Kansas Geological Survey |
| Paula Hagan | Wang Laboratories |
| A.R. Boyle | University of Saskatchewan |
| Waldo Tobler | University of California |
| Dean Merchant | Ohio State University |
| Hugh Calkins | State University of New York at Buffalo |

ABSTRACT

The National Committee for Digital Cartographic Data Standards has been in operation for the past 3 years. The first two years included defining the issues and examining the alternatives available. Several reports have been issued on these topics. The third year of work has involved the definition of an Interim Proposed Standard. Working Group I on Data Organization has developed a data exchange superstructure with the widest applicability in digital cartography. Working Group II on Data Set Quality has proposed a "truth in labeling" approach to data set quality and the categories of quality information that should be made available to a prospective user of a data set. Working Group III on Cartographic Features has proposed an integrated set of feature definitions and a set of examples of the definitions and associated attributes. Working Group IV on Terms and Definitions has proposed a standard set of primitive and simple cartographic objects which can be used with digital cartographic data bases. They have also produced a set of terms and definitions associated with the standards developed by the other three Working Groups. The Committee is now seeking public comments on these proposed standards. The presentation will focus on the background of this overall effort and provide an overview of the current work.