

SIC/NAICS DATA STANDARD

Standard No.: EX000022.2

January 6, 2006

**This standard has been produced through the
Environmental Data Standards Council (EDSC).**

The Environmental Data Standards Council (EDSC) is a partnership among US EPA, States and Tribal partners to promote the efficient sharing of environmental information through the development and adoption of data standards. More information about the EDSC is available at www.envdatastandards.net.

Foreword

The Environmental Data Standards Council (EDSC) identifies, prioritizes, and pursues the creation of data standards for those areas where information exchange standards will provide the most value in achieving environmental results. The Council involves state and federal agencies, tribes and tribal nations in the development of the standards and then provides the draft materials for general review. Business groups, non-governmental organizations, and other interested parties may then provide input and comment for Council consideration and standard finalization. Draft and final standards are available at <http://www.envdatastandards.net>.

1.0 INTRODUCTION

This data standard provides information on business activity according to the Standard Industrial Classification (SIC) and North American Industrial Classification System (NAICS). The SIC classification system defines economic activity into 10 divisions. Divisions are further broken down into numeric codes that define major industrial groups, industrial groups and industries. Descriptive text is also available to define industrial subdivisions. For example, B is the division code for mining. Numeric codes are hierarchical, as 10 - metal mining, 101 - iron ores, and 1011- establishments primarily engaged in mining, beneficiating, or otherwise preparing iron ores and manganiferous ores valued chiefly for their iron content.

The NAICS is organized similarly to the SIC codes. Economic activities of business establishments are grouped hierarchically into economic sectors (2 digit), economic subsectors (3 digit), industry groups (4 digit), and NAICS industries (5 digit). Industries are further subdivided into national classifications (6 digit) that are specific to the needs of each country; for example, 33 - manufacturing, 334 - computer and electronic product manufacturing, 3346 - manufacturing and reproduction of magnetic and optical media, 33461 - manufacturing and reproduction of magnetic and optical media, 334611 -reproduction of software.

A direct one-to-one relationship across the NAICS and SIC codes does not exist for all codes; therefore, direct conversion of SIC codes to NAICS codes is not universally feasible. In many cases it will be necessary to obtain the appropriate NAICS codes applicable to a business establishment through modifications to collection forms or independent research and analysis.

1.1 Scope

The purpose of the standard is to provide a common set of data groupings to specify a way to classify business activities, including industry classifications, product classifications, and product codes.

1.2 Revision History

Date	Version	Description
May 31, 2000	1-19935:1	Initial adoption by the Environmental Data Standards Council
February 1, 2005	1-19935:2	Revised format and minor content changes
January 6, 2006	EX000022.2	Minor content changes and assignment of a new data standard number.

1.3 References to Other Data Standards

This standard does not rely on other standards to make it complete and to provide the necessary support.

1.4 Terms and Definitions

For the purposes of this document, the following terms and definitions apply.

<u>Term</u>	<u>Definition</u>
Business Establishment	An economic unit, generally at a single, physical location where business is conducted or where services or industrial operations are performed. Although both classification systems have this same definition for an establishment, the SIC and NAICS classifications for a particular establishment are not necessarily the same.

1.5 Implementation

Users are encouraged to use the XML registry housed on the Exchange Network Web site (<http://www.exchangenetwork.net>) to download schema components for the construction of XML schema flows.

1.6 Document Structure

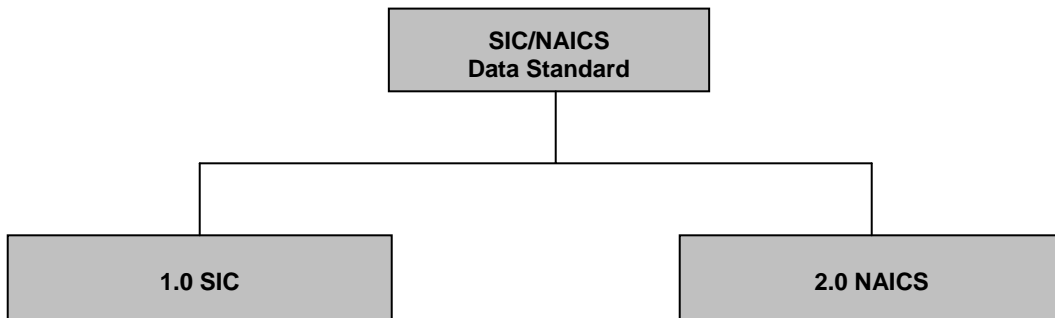
The structure of this document is briefly described below:

- a. Section 2.0 SIC/NAICS Diagram, illustrates the principal data groupings contained within this standard.
- b. Section 3.0 SIC/NAICS Data Standards Table, provides detailed information on the high level, intermediate and elemental SIC/NAICS data groupings. Where applicable, for each level of this data standard a definition, XML tag, note(s), example list of values and format are provided. The format column may list the required number of characters for the associated data element, where "A" specifies alphanumeric and "N" designates numeric.
- c. Data Element Numbering. For purposes of clarity and to enhance understanding of data grouping hierarchy and relationships, each data group is numerically classified from the primary to the elemental level.
- d. Code Metadata: Metadata, defined here as data about data or data elements, includes their descriptions and/or any needed context setting information required to identify the origin, conditions of use, interpretation, or understanding the information being exchanged or transferred. (Adapted from ISO/IEC 2382-17:1999 Information Technology Vocabulary—Part 17: Databases 17.06.05 metadata). Based on the business need, additional metadata may be required to sufficiently describe elements represented as codes. Additional metadata for codes may include:
 - Code List Identifier, which is a standardized reference to the context or source of the set of codes
 - Code List Version Identifier, which identifies the particular version of the set of codes.
 - Code List Version Agency Identifier, which identifies the agency responsible for maintaining the set of codes
 - Code List Name, which describes the corresponding name for which the code represents

- e. Appendix A SIC/NAICS Data Structure Diagram, illustrates the hierarchical classification of the SIC/NAICS data standard. This diagram enables business and technical users of this standard to quickly understand its general content and complexity.
- f. Appendix B, lists the references for SIC/NAICS Data Standard.

2.0 SIC/NAICS DIAGRAM

The diagram below demonstrates major SIC/NAICS data groups that may be used to identify an economic activity.



3.0 SIC/NAICS DATA STANDARDS TABLE

1.0 SIC

Definition: A classification of the economic activities of business establishments.

Relationships: None identified.

Note: This is a hierarchical classification scheme where the left most alphanumeric denote higher levels.

XML Tag: SICIdentity

Name	Definition	Notes	Format	XML Tag
1.1 Standard Industrial Classification Code	The code that represents the economic activity of a company (4-digits).		N	SICCode
1.2 Standard Industrial Classification Group Code	The code that represents a group of related industries within the economy (3-digits).		N	SICGroupCode
1.3 Standard Industrial Classification Major Group Code	The code that represents a major group of industrial classifications (2-digits).		N	SICMajorGroupCode
1.4 Standard Industrial Classification Division Code	The code that represents a division in the economy that covers an economic activity (1-char).		A	SICDivisionCode
1.5 Standard Industrial Classification Subdivision Text	The text that describes a specific component of an industry.		A	SICSubdivisionText

2.0 NAICS Identity

Definition: A classification of business establishments by economic activity.

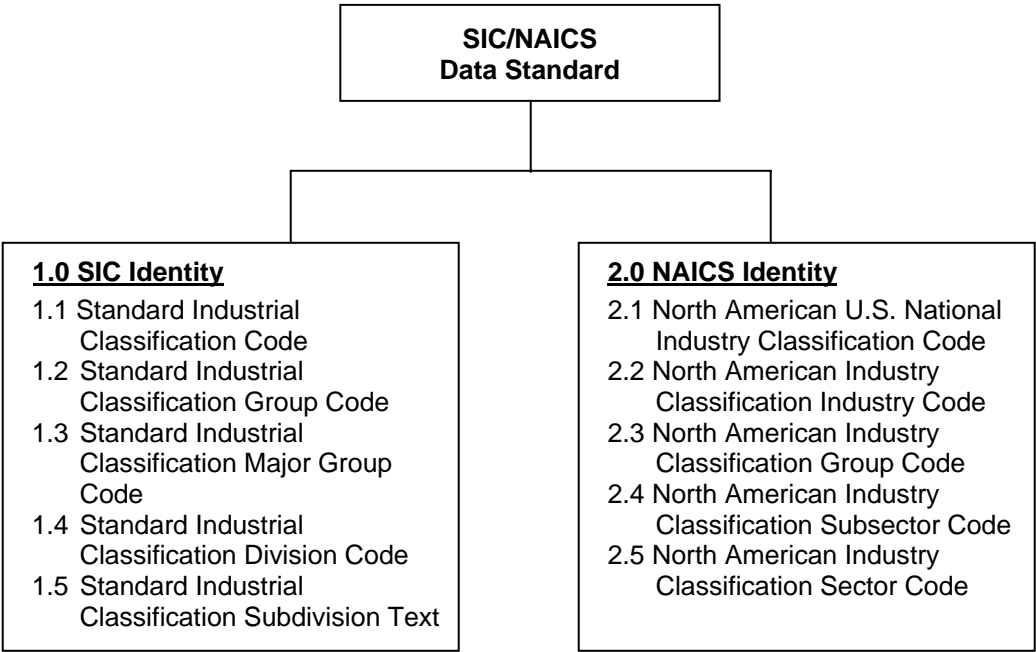
Relationships: None Identified

Note: This is a hierarchical classification scheme where the leftmost numbers denote higher levels.

XML Tag: NAICSIdentity

Name	Definition	Notes	Format	XML Tag
2.1 North American U.S. National Industry Classification Code	The code that represents a subdivision of an industry that accommodates user needs in the United States (6-digits).		N	NAICSCode
2.2 North American Industry Classification Industry Code	The code that represents an industry within the economy (5-digits).		N	NAICSIndustryCode
2.3 North American Industry Classification Group Code	The code that represents a group of related industries within the economy (4-digits).		N	NAICSGroupCode
2.4 North American Industry Classification Subsector Code	The code that represents an economic subsector (3-digits).		N	NAICSSubsectorCode
2.5 North American Industry Classification Sector Code	The code that represents an economic sector (2-digits).		N	NAICSSectorCode

Appendix A
SIC/NAICS Data Structure Diagram



Appendix B References

1. North American Industry Classification System, U.S. Census Bureau,
<http://www.census.gov/epcd/www/naics.html>
2. North American Industry Classification System (NAICS) - United States, 1997, official U.S. Government NAICS Manual, June 1, 1998, U.S. Department of Commerce, National Technical Information Service, <http://www.ntis.gov/yellowbk/1nty205.htm>
3. Standard Industrial Classification (SIC) Codes, FIPS PUB 66 dated August 15, 1979, Change Notice 1 of January 25, 1993, and Change Notice #2, dated October 15, 1997.
<http://www.nist.gov/itl/div897/pubs/fp66cg-2.htm>
4. ISO/IEC 2382-17:1999 Information Technology Vocabulary—Part 17: Databases 17.06.05 metadata)