

WAND Science and Technology Taxonomy



The WAND Science and Technology Taxonomy covers products and services related to the scientific and technical fields. These include test and measurement instruments, equipment and supplies for laboratory, optical, materials testing, meteorological, surveying and other technical uses. Testing, drafting and engineering services are among the services that are included.

Unstructured data is believed to account for 80 to 85% of a typical organization's internal information. Company documents, articles, spend data, and other unstructured information needs to be quickly and easily accessible by your organization's employees. A company's products and service are its backbone and a high-quality and well-structured vocabulary of the standard product and service terms that are important to your company is crucial for your employees to unlock the value of unstructured data in your company.

Applications

The WAND Science and Technology Taxonomy can be licensed and integrated into your existing intranet, content management application, spend management system, spend analysis application, knowledge management portal, or any other application that would benefit from the power of a robust taxonomy-based search.

Unstructured information from a variety of repositories can be consistently organized and searched by:

- Relevant and intuitive product and service categories
- Hierarchical drill-down browsing
- Numerous slices or segments of the taxonomy
- Related terms which may link to previously unknown information
- Filtered Search
- Any combination of taxonomy pathways which funnel the users to the information they need

Structure and Delivery

The WAND Science and Technology taxonomy consist of a controlled vocabulary of terms with multiple relationships such as hierarchical parent-child relationships, related terms, and synonyms. Many of the terms are associated to attribute and attribute value templates for specification based descriptions. Language translations of the product and service terms (not attributes/attribute values) are available in English, French, German, Spanish, Italian, Portuguese, Japanese, Simplified Chinese, Traditional Chinese, Korean, and Vietnamese. The Taxonomy is cross-mapped to many alternate classification systems including UNSPSC, NAICS, SIC, Harmonized Codes and Standard Yellow Page headings

Data can be delivered in a variety of format, including XML files, Access Database files, and csv, and is delivered via a password protected FTP site.

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Data Points:

- Total Product and Service Terms: 3,493
- Total Feature Values: 14,824
- Total Option Values: 51,581

(As of April 29, 2008)

Includes the following top level headings:

Biotechnology Equipment and Supplies
Crystallography Equipment
Detectors (Instruments)
Entomology Equipment and Supplies
Geographic Information Systems
Geology Tools
Geophysical Instruments
Infrared Equipment
Laboratory Equipment
Mathematical Instruments
Measuring Instruments
Meteorological Equipment
Nanotechnology
Nuclear Instrumentation and Equipment
Oceanographic Equipment
Optical Equipment
Recording Instruments
Scientific and Technical Services
Scientific Collections
Surveying Equipment
Testing Equipment

Example of the WAND Science and Technology Taxonomy:

