

# **ENVIRONMENT, SAFETY AND HEALTH THESAURUS/DICTIONARY**



**U.S. DEPARTMENT OF ENERGY**

**Prepared for:  
Office of Environment,  
Safety and Health  
Safety and Quality Assurance  
Office of Integration**

**Prepared by:  
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Technical Information**

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## INTRODUCTION

The *Environment, Safety and Health Thesaurus/Dictionary*, was developed for the Office of Safety and Quality Assurance (EH-30) by the Department of Energy's (DOE) Office of Scientific and Technical Information (OSTI).

Our intent in developing this thesaurus/dictionary is to provide a single Departmental reference for: (1) definitions of environment, safety, and health terms that will help assure consistent DOE-wide understanding of these terms, and (2) synonyms and related terms that will improve the logic of a user's analytical strategy for word searches in computerized environment, safety, and health information systems. Eventually, an electronic version of the thesaurus/dictionary will be available on the Safety Performance Measurement System (SPMS) to improve users' search and analytical capabilities.

Robert W. Barber  
Director  
Office of Integration



## PREFACE

The *Environment, Safety and Health Thesaurus/Dictionary*, in addition to including standard thesaurus-type information, has several unique features. This preface, along with the scope note and field explanation pages, provides basic information to assist the user in effectively using the document.

In addition to special data fields found within the individual word blocks, the most noteworthy features of the document are the three appendices following the main body of the thesaurus. These appendices include: (1) a listing of all thesaurus acronyms and their reciprocal phrases; (2) a listing of all thesaurus terms under broader subject categories; and (3) a separate mini-thesaurus for the DOE FRASE (Factor Relationship and Sequence of Events) vocabulary used on the Safety Performance Measurement System (SPMS).

In developing the *Environment, Safety and Health Thesaurus/Dictionary* we followed the ANSI (American National Standards Institute) Standard for Thesaurus Construction, but with several notable exceptions to meet unique project requirements (e.g., inclusion of phrases as main terms, etc.). When available, definitions were also included for each term, with acronyms indicating the source(s) of the definition(s).

This thesaurus attempts to provide a semantic structure for environment, safety and health terminology drawn from a variety of sources, used for a variety of different purposes: a difficult but critical task in the management of increasingly complex ES&H programs and information systems. Terminology usage and structure are dynamic by their nature. Given this fact, thesauri are "living" documents that attempt to reflect *consensus* agreement among subject professionals concerning their vocabulary.

The *Environment, Safety and Health Thesaurus/Dictionary* is a first attempt at capturing the usage and structure of selected ES&H terminology. It is by no means a comprehensive or final document. Continual editing and updating will be necessary to ensure that the thesaurus/dictionary correctly reflects vocabulary usage by professionals in the field.

A final note of appreciation to Robert W. Eicher (who initiated this project), the staff of the Department's System Safety Development Center, Laura Cunningham, and the many reviewers who shared their expertise through comments and suggestions.

D. Charlynn Clayton  
Technical Editor  
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## SCOPE NOTE ACRONYMS

An explanation of acronyms found in the scope notes and definitions for each Main Term.

This list also indicates books and other sources from which terms were taken for the *Environment, Safety and Health Thesaurus/Dictionary*.

<b>ANL</b>	Argonne National Laboratory. <i>Glossary of Hazardous, Solid and Radioactive Waste Terms</i> . September 1990.
<b>ARPA</b>	Archaeological Resources Protection Act of 1979.
<b>BNA</b>	Bureau of National Affairs. <i>Environment Reporter</i> .
<b>CAA</b>	Clean Air Act.
<b>CWA</b>	Clean Water Act.
<b>CERCLA</b>	Comprehensive Environmental Response, Compensation, and Liability Act.
<b>CFR</b>	<i>Code of Federal Regulations</i> .
<b>DOE Order</b>	Definition sections from pertinent DOE Orders.
<b>DSTT</b>	Lapedes, Daniel N., Editor-in-Chief. <i>McGraw-Hill Dictionary of Scientific and Technical Terms</i> , 2nd Edition. McGraw-Hill Book Company: New York, 1978.
<b>EM</b>	U.S. Department of Energy. Office of Restoration and Waste Management. <i>Applied Research, Development, Demonstration, Testing and Evaluation Plan</i> . November 1989. <i>Environmental Restoration and Waste Management: Five-Year Plan</i> . August 1989.
<b>EMER</b>	Training Resources and Data Exchange (TRADE), Emergency Preparedness Special Interest Group, Glossary Task Force. <i>Glossary and Acronyms of Emergency Preparedness Terms</i> . ORAU 89/B-80, Oak Ridge Associated Universities: Oak Ridge, TN, 1988.
<b>EPA</b>	U.S. Environmental Protection Agency. Office of Information Resources Management (OIRM). <i>Information Resources Directory (IRD)</i> : Glossary. 1989.
<b>ESA</b>	Endangered Species Act.
<b>ESH</b>	U.S. Department of Energy. Office of the Assistant Secretary for Environment, Safety and Health. <i>Environmental Audit Manual</i> , Volumes I-III.
<b>FIFRA</b>	Federal Insecticide, Fungicide, and Rodenticide Act.
<b>FRASE</b>	EG&G Idaho, Inc. System Safety Development Center. Safety Performance Measurement System (SPMS). Selection of terms from the DOE FRASE (Factor Relationship and Sequence of Events) vocabulary which is currently used as the searching vocabulary on SPMS. FRASE terms include the numeric key and FRASE key in the Scope Note.

<b>FWCA</b>	Fish and Wildlife Coordination Act.
<b>HMTA</b>	Hazardous Materials Transportation Act.
<b>IAEA</b>	International Atomic Energy Agency. <i>Radiation Protection Glossary</i> . Safety Series No. 76. Vienna, 1986.
<b>LLRWPA</b>	Low Level Radioactive Waste Policy Act.
<b>MORT</b>	Management Oversight and Risk Tree.
<b>NCRP</b>	National Council on Radiation Protection and Measurement. Report of NCRP SC-46-2. Draft of July 1990. Appendix A: Glossary. NSR/SC-46-2/ljm.
<b>NEPA</b>	National Environmental Protection Act.
<b>NFI</b>	U.S. Department of Energy. Office of the Assistant Secretary for Environment, Safety and Health. <i>Nuclear Facilities Incidents Database Reference Manual</i> : Appendix E: Synonyms Used in Text. April 1990.
<b>NIH</b>	U.S. Department of Health and Human Services. Public Health. National Institutes of Health. <i>National Institutes of Health Radiation Safety Guide</i> : Glossary. 1979.
<b>NPDWA</b>	National Primary Drinking Water Act.
<b>NWPA</b>	Nuclear Waste Policy Act.
<b>OSHA</b>	U.S. Department of Labor. Occupational Safety and Health Administration. <i>OSHA Thesaurus</i> .
<b>RCRA</b>	Resource Conservation and Recovery Act.
<b>RHA</b>	Rivers and Harbors Act.
<b>SARA</b>	Superfund Amendments and Reauthorization Act.
<b>SDWA</b>	Safe Drinking Water Act.
<b>SEA</b>	Structural Engineers Association of California. Seismology Committee. <i>Recommended Lateral Force Requirements and Tentative Commentary</i> . Section 1B. Definitions. San Francisco. 1976.
<b>SMRP</b>	T. Theodore Fujita. <i>Workbook of Tornadoes and High Winds for Engineering Applications</i> . SMRP Research Paper 165. University of Chicago. Department of Geophysical Sciences. Satellite and Mesometeorological Research Project. September 1978.
<b>SSDC</b>	EG&G Idaho, Inc., System Safety Development Center. <i>Glossary of SSDC Terms and Acronyms</i> . October 1984.
<b>SWDA</b>	Solid Waste Disposal Act.
<b>TSA</b>	U.S. Department of Energy. Office of the Assistant Secretary for Environment, Safety and Health. Glossaries and acronyms lists from various <i>Technical Safety Appraisals</i> .
<b>TSCA</b>	Toxic Substances Control Act.
<b>TTGM</b>	U.S. Department of Energy. Office of the Assistant Secretary for Environment, Safety and Health. Office of Special Projects. <i>Tiger Team Guidance Manual. Environment, Safety and Health, and Management and Organization Assessment</i> . February 1990.

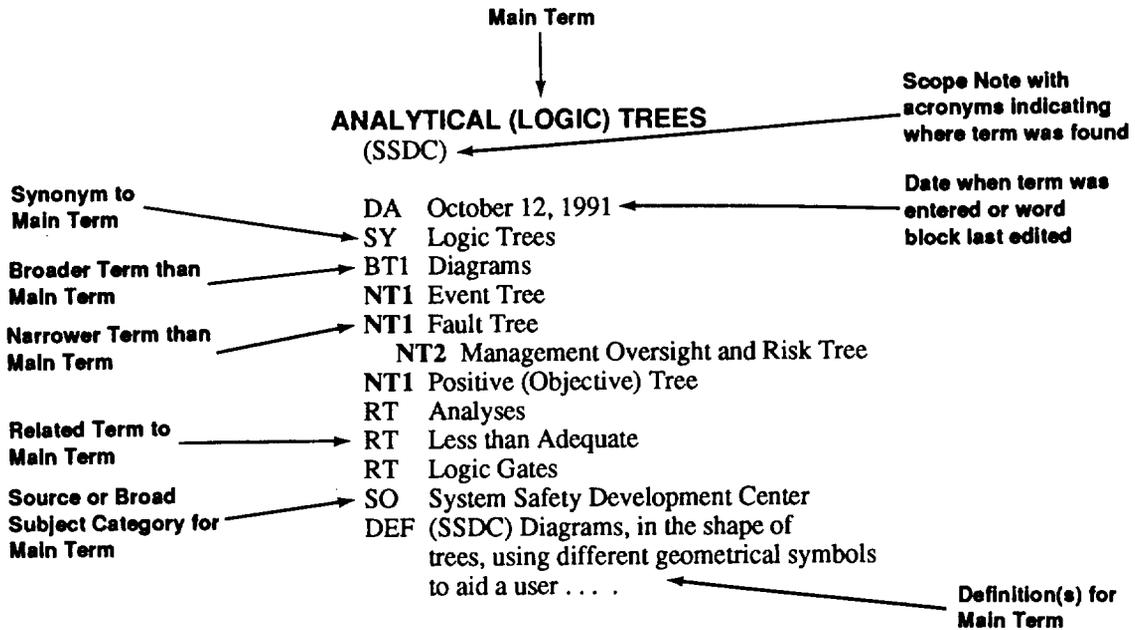
- USGS** U.S. Geological Survey. *National Earthquake Hazards Reduction Program: Overview*. Report of the United States Congress Geological Survey. Circular 918.
- WEBSTER** Woolf, Henry B., Editor-in-Chief. *Webster's New Collegiate Dictionary*. G&C Merriam Company: Springfield, MA, 1977.
- WTID** Gove, Philip B., Editor-in-Chief. *Webster's Third New International Dictionary of the English Language*. G&C Merriam Company: Springfield, MA, 1976.

NOTE: For DOE FRASE vocabulary terms included in the Thesaurus/Dictionary, the Scope Note Field includes the numeric key and FRASE key for each term.



## FIELD EXPLANATION

An explanation of the "typical" fields found in the ES&H Environment, Safety and Health Thesaurus/Dictionary.



NOTE: A listing of all the Source terms (SO) or broad subject categories is included in the appendices. The SOs are shown as bolded Main Terms with all the referenced terms shown as Source To.