



# Joint Thesaurus Supplement

*October 2006*

## JOINT THESAURUS SUPPLEMENT

This is a supplement to IAEA-ETDE/INIS-1.

This supplement is provided periodically to keep *ETDE/INIS Joint Thesaurus* recipients up-to-date on valid vocabulary terms (descriptors) used in building and maintaining several international energy information databases.

Each issue contains all new terms added since the publication of the most recent version of the Thesaurus. Terms added during the last reporting period are indicated by a small arrow (→) in the left margin. Each supplement is a cumulative listing of the new terms, so that each issue replaces the previous one.

The format of supplement entries is the same as that of the Thesaurus. Descriptions of the components of the wordblocks and other information on the descriptors are given in the *ETDE/INIS Joint Thesaurus*.

The *ETDE/INIS Joint Thesaurus* (IAEA-ETDE/INIS-1), is available for sale. For information on how to obtain a copy, call 865-576-8401.

## Deleted Descriptors

*ABS*  
DC January 28, 2005  
USE Alkyl Benzenesulfonates

*ACO*  
DC January 28, 2005  
USE Orsay Storage Rings

*AET*  
DC February 1, 2005  
USE Beta-Aminoethyl Isothiourea

*Aschelminthes*  
DC September 1, 2005  
SEE Nematodes

*BAL*  
DC February 1, 2005  
USE Dimercaprol

*CFU*  
DC January 28, 2005  
USE Colony Forming Units

*Element 104*  
DC March 15, 2004  
USE Rutherfordium

*Element 104 253*  
DC March 15, 2004  
USE Rutherfordium 253

*Element 104 254*  
DC March 15, 2004  
USE Rutherfordium 254

*Element 104 255*  
DC March 15, 2004  
USE Rutherfordium 255

*Element 104 256*  
DC March 15, 2004  
USE Rutherfordium 256

*Element 104 257*  
DC March 15, 2004  
USE Rutherfordium 257

*Element 104 258*  
DC March 16, 2004  
USE Rutherfordium 258

*Element 104 259*  
DC March 16, 2004  
USE Rutherfordium 259

*Element 104 260*  
DC March 16, 2004  
USE Rutherfordium 260

*Element 104 261*  
DC March 16, 2004  
USE Rutherfordium 261

*Element 104 262*  
DC March 16, 2004  
USE Rutherfordium 262

*Element 104 263*  
DC March 16, 2004  
USE Rutherfordium 263

*Element 104 Chlorides*  
DC March 16, 2004  
USE Rutherfordium Chlorides

*Element 104 Complexes*  
DC March 16, 2004  
USE Rutherfordium Complexes

*Element 104 Compounds*  
DC March 16, 2004  
USE Rutherfordium Compounds

*Element 105*  
DC March 23, 2004  
USE Dubnium

*Element 105 255*  
DC March 23, 2004  
USE Dubnium 255

*Element 105 256*  
DC March 23, 2004  
USE Dubnium 256

*Element 105 257*  
DC March 23, 2004  
USE Dubnium 257

*Element 105 258*  
DC March 23, 2004  
USE Dubnium 258

*Element 105 259*  
DC March 23, 2004  
USE Dubnium 259

*Element 105 260*  
DC March 23, 2004  
USE Dubnium 260

*Element 105 261*  
DC March 23, 2004  
USE Dubnium 261

*Element 105 262*  
DC March 23, 2004  
USE Dubnium 262

*Element 105 263*  
DC March 23, 2004  
USE Dubnium 263

*Element 105 Compounds*  
DC March 23, 2004  
USE Dubnium Compounds

*Element 105 Isotopes*  
DC March 23, 2004  
USE Dubnium Isotopes

*Element 106*  
DC March 24, 2004  
USE Seaborgium

*Element 106 259*  
DC March 24, 2004  
USE Seaborgium 259

*Element 106 260*  
DC March 24, 2004  
USE Seaborgium 260

*Element 106 261*  
DC March 24, 2004  
USE Seaborgium 261

*Element 106 262*  
DC March 24, 2004  
USE Seaborgium 262

*Element 106 263*  
DC March 24, 2004  
USE Seaborgium 263

*Element 106 265*  
DC March 24, 2004  
USE Seaborgium 265

*Element 106 266*  
DC March 24, 2004  
USE Seaborgium 266

*Element 106 Compounds*  
DC March 24, 2004  
USE Seaborgium Compounds

*Element 106 Isotopes*  
DC March 24, 2004  
USE Seaborgium Isotopes

*Element 107*  
DC March 24, 2004  
USE Bohrium

*Element 107 261*  
DC March 24, 2004  
USE Bohrium 261

*Element 107 262*  
DC March 24, 2004  
USE Bohrium 262

*Element 107 264*  
DC March 24, 2004  
USE Bohrium 264

*Element 107 Compounds*  
DC March 24, 2004  
USE Bohrium Compounds

*Element 107 Isotopes*  
DC March 24, 2004  
USE Bohrium Isotopes

*Element 108*  
DC March 25, 2004  
USE Hassium

*Element 108 264*  
DC March 25, 2004  
USE Hassium 264

*Element 108 265*  
DC March 25, 2004  
USE Hassium 265

*Element 108 266*  
DC March 25, 2004  
USE Hassium 266

*Element 108 270*  
DC March 25, 2004  
USE Hassium 270

## Deleted Descriptors

*Element 108 Compounds*  
DC March 25, 2004  
USE Hassium Compounds

*Element 108 Isotopes*  
DC March 25, 2004  
USE Hassium Isotopes

*Element 109*  
DC March 25, 2004  
USE Meitnerium

*Element 109 266*  
DC March 25, 2004  
USE Meitnerium 266

*Element 109 268*  
DC March 25, 2004  
USE Meitnerium 268

*Element 109 Isotopes*  
DC March 25, 2004  
USE Meitnerium Isotopes

*Element 110*  
DC March 25, 2004  
USE Darmstadtium

*Element 110 269*  
DC March 25, 2004  
USE Darmstadtium 269

*Element 110 270*  
DC March 25, 2004  
USE Darmstadtium 270

*Element 110 Compounds*  
DC March 25, 2004  
USE Darmstadtium Compounds

*Element 110 Isotopes*  
DC March 25, 2004  
USE Darmstadtium Isotopes

*Element 111*  
DC January 9, 2006  
USE Roentgenium

*Element 111 272*  
DC January 9, 2006  
USE Roentgenium 272

*Element 111 Compounds*  
DC January 9, 2006  
USE Roentgenium Compounds

*Element 111 Isotopes*  
DC January 9, 2006  
USE Roentgenium Isotopes

*EMS*  
DC January 28, 2005  
USE Ethyl Methanesulfonate

*Flavenoids*  
DC January 15, 2004  
USE Flavonoids

*Grace Particles*  
DC March 9, 2006  
SEE Quarks

*Gravelines-B1 Reactor*  
DC December 21, 2004  
USE Gravelines-1 Reactor

*Gravelines-C6 Reactor*  
DC December 21, 2004  
USE Gravelines-6 Reactor

*Hanford-2 Reactor*  
DC August 11, 2005  
USE WNP-2 Reactor

*Helminths*  
DC September 1, 2005  
SEE Parasites  
OR Platyhelminths

*ICNS*  
DC January 28, 2005  
USE International Convention on Nuclear  
Safety

*Idaho National Engineering Laboratory*  
DC May 19, 2005  
USE INEEL

*IEUS*  
DC January 28, 2005  
USE Integrated Energy Utility Systems

*ILMR*  
DC July 8, 2004  
USE Monaco Marine Environment Laboratory

*LH*  
DC January 28, 2005  
USE Luteinizing Hormone

*MEA*  
DC February 2, 2005  
USE Cysteamine

*MEG*  
DC January 28, 2005  
USE Mercaptoethylguanidine

*MIUS*  
DC February 10, 2005  
USE Modular Integrated Utility Systems

*MNS Reactor*  
DC March 17, 2004  
USE MNSR-CIAE Reactor

*PAN*  
DC February 1, 2005  
USE Pyridylazonaphthol

*PARR Reactor*  
DC March 17, 2004  
USE PARR-1 Reactor

*Parton Model*  
DC March 9, 2006  
SEE Gluon Model  
OR Quark Model

*Partons*  
DC March 9, 2006  
SEE Gluons  
OR Quarks

*POP*  
DC February 1, 2005  
USE Hydroxypropiofenone

*SAP*  
DC February 1, 2005  
USE Sintered Aluminium Powders

*Taste Particles*  
DC March 9, 2006  
SEE Quarks

*TBPO*  
DC February 1, 2005  
USE Tributylphosphine Oxide

*TEL*  
DC February 1, 2005  
USE Tetraethyl Lead

*TOA*  
DC February 1, 2005  
USE Trioctylamine

*TOPO*  
DC February 1, 2005  
USE Trioctylphosphine Oxide

*TOPS*  
DC February 1, 2005  
USE Trioctylphosphine Sulfide

*TPO*  
DC February 1, 2005  
USE Triphenylphosphine Oxide

*Trans 104 Element Compounds*  
DC March 25, 2004  
USE Transactinide Compounds

*Trans 104 Elements*  
DC March 15, 2004  
USE Transactinide Elements

*TTF*  
DC February 1, 2005  
USE Tetrathiafulvalene

*UDPG*  
DC February 1, 2005  
USE Uridine Diphosphoglucose

*Upper Volta*  
DC February 9, 2005  
USE Burkina Faso

*Urbaryons*  
DC March 9, 2006  
USE Quarks

*Yugoslavia*  
DC March 10, 2004  
SEE Bosnia and Herzegovina  
OR Croatia  
OR Serbia and Montenegro  
OR Slovenia  
OR The Former Yugoslav Republic of  
Macedonia

October 6, 2006

*This Supplement contains all the terms added since December 10, 2003, the cutoff date of IAEA-ETDE/INIS-1 (Rev.1). Terms marked → were added since the previous update.*

*ABS (Alkyl Benzenesulfonates)*  
(Prior to January 2005 ABS was a valid descriptor.)  
DA January 28, 2005  
USE Alkyl Benzenesulfonates

#### **ABSORBENTS**

DA February 1, 2006  
RT Absorption  
RT Sorptive Properties

#### *AC to DC Converters*

DA May 12, 2006  
USE Rectifiers

*ACO (Anneau de Collisions d'Orsay)*  
(Prior to January 2005 ACO was a valid descriptor.)  
DA January 28, 2005  
USE Orsay Storage Rings

#### **ADAPTIVE SYSTEMS**

DA May 18, 2004  
UF *Self-Learning Systems*  
BT1 Computerized Control Systems  
RT Algorithms  
DEF Systems that have the ability to learn, change their state, or otherwise react to stimuli or changes in their environment.

*AET (Aminoethylthiopseudourea)*  
(Prior to February 2005 AET was a valid descriptor.)  
DA February 1, 2005  
USE Beta-Aminoethyl Isothiourea

#### **AFGHAN ORGANIZATIONS**

DA March 31, 2004  
BT1 National Organizations

#### **ALBANIAN ORGANIZATIONS**

DA March 31, 2004  
BT1 National Organizations

#### **ALGERIAN ORGANIZATIONS**

DA March 31, 2004  
BT1 National Organizations

#### **ALKYL BENZENESULFONATES**

(Prior to January 2005 ABS was used for this concept.)  
DA January 28, 2005  
UF *ABS*  
UF *ABS (Alkyl Benzenesulfonates)*  
BT1 Sulfonic Acid Esters

#### **ALUMINIUM 40**

DA January 18, 2005  
BT1 Aluminium Isotopes  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Light Nuclei  
BT1 Nanoseconds Living Radioisotopes  
BT1 Odd-Odd Nuclei

*Anneau de Collisions d'Orsay*  
DA January 25, 2005  
USE Orsay Storage Rings

#### **ANTIMONY 107**

DA December 14, 2004  
BT1 Antimony Isotopes  
BT1 Electron Capture Radioisotopes  
BT1 Intermediate Mass Nuclei  
BT1 Odd-Even Nuclei  
BT1 Seconds Living Radioisotopes

#### **APPROXIMATIONS**

(Use of a more specific term from this word block is recommended.)  
DA January 31, 2006  
BT1 Calculation Methods  
NT1 Adiabatic Approximation  
NT1 Hartree-Fock Method  
NT1 Spherical Harmonics Method  
NT1 Born Approximation  
NT1 Born-Oppenheimer Approximation  
NT1 Brinkman-Kramers Approximation  
NT1 Broken-Pair Approximation  
NT1 Diabatic Approximation  
NT1 Dirac Approximation  
NT1 Eikonal Approximation  
NT1 Equivalent-Photon Approximation  
NT1 FSC Approximation  
NT1 Guiding-Center Approximation  
NT1 Impulse Approximation  
NT1 Ladder Approximation  
NT1 Pade Approximation  
NT1 Random Phase Approximation  
NT1 Rosseland Approximation  
NT1 Semiclassical Approximation  
NT1 Straight-Line Path Approximation  
NT1 Sudden Approximation  
NT1 Tomonaga Approximation  
NT1 Unitary Pole Approximation  
NT1 WKB Approximation  
NT1 Zero-Range Approximation

#### **ARDENNES B-2 REACTOR**

(Electricite de France, Chooz, France.)  
DA May 12, 2004  
UF *Chooz B-2 Reactor*  
BT1 PWR Type Reactors

#### **ARGUS REACTOR**

(Russian Research Center, Kurchatov Institute, Moscow, Russian Federation)  
DA September 10, 2004  
BT1 Aqueous Homogeneous Reactors  
BT1 Enriched Uranium Reactors  
BT1 Research Reactors  
BT1 Thermal Reactors

#### *Australian Replacement Research Reactor*

DA July 22, 2005  
USE OPAL Reactor

#### *BAL (British Anti-Lewisite)*

(Prior to February 2005 BAL was a valid descriptor.)  
DA February 1, 2005

USE Dimercaprol

*Beijing Miniature Neutron Source Reactor*  
DA March 17, 2004  
USE MNSR-CIAE Reactor

*Berkeley Research Reactor*  
(Univ. of California, Berkeley, California, USA)  
DA May 23, 2005  
USE UCRR Reactor

#### **BETA-AMINOETHYL ISOTHIUREA**

(Prior to February 2005 AET was used for this concept.)  
DA February 1, 2005  
UF *AET*  
UF *Aminoethylisothiuronium Bromide*  
UF *Aminoethylthiopseudourea*  
UF *AET (Aminoethylthiopseudourea)*  
BT1 Amines  
BT1 Radioprotective Substances  
BT1 Thioureas

#### **BIOFUELS**

DA August 27, 2004  
UF *Biomass Fuels*  
BT1 Fuels  
NT1 Wood Fuels  
RT Biomass  
DEF Fuels obtained from biological raw materials.

#### *Biomass Fuels*

DA August 27, 2004  
USE Biofuels

#### → **BISMUTH 218**

DA October 6, 2006  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Bismuth Isotopes  
BT1 Heavy Nuclei  
BT1 Odd-Odd Nuclei  
BT1 Seconds Living Radioisotopes

#### **BOHRIMUM**

(Prior to March 2004 ELEMENT 107 was used for this element.)  
DA March 24, 2004  
UF *Eka-Rhenium*  
UF *Element 107*  
UF *Unnilseptium*  
BT1 Transactinide Elements

#### **BOHRIMUM 261**

(Prior to March 2004 ELEMENT 107 261 was used for this concept.)  
DA March 24, 2004  
UF *Element 107 261*  
BT1 Alpha Decay Radioisotopes  
BT1 Bohrium Isotopes  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Odd-Even Nuclei  
BT1 Spontaneous Fission Radioisotopes

October 6, 2006

### **BOHRIMUM 262**

(Prior to March 2004 ELEMENT 107 262 was used for this element.)

DA March 24, 2004  
UF *Element 107 262*  
BT1 Alpha Decay Radioisotopes  
BT1 Bohrium Isotopes  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Odd-Odd Nuclei  
BT1 Spontaneous Fission Radioisotopes

### **BOHRIMUM 264**

(Prior to March 2004 ELEMENT 107 264 was used for this concept.)

DA March 24, 2004  
UF *Element 107 264*  
BT1 Alpha Decay Radioisotopes  
BT1 Bohrium Isotopes  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Odd-Odd Nuclei

### **BOHRIMUM 265**

DA June 9, 2006  
BT1 Alpha Decay Radioisotopes  
BT1 Bohrium Isotopes  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Odd-Even Nuclei

### → **BOHRIMUM 271**

DA September 1, 2006  
BT1 Alpha Decay Radioisotopes  
BT1 Bohrium Isotopes  
BT1 Heavy Nuclei  
BT1 Odd-Even Nuclei  
BT1 Seconds Living Radioisotopes

### **BOHRIMUM COMPOUNDS**

(Prior to March 2004 ELEMENT 107 COMPOUNDS was used for this concept.)

DA March 24, 2004  
UF *Element 107 Compounds*  
BT1 Transactinide Compounds

### **BOHRIMUM ISOTOPES**

(Prior to March 2004 ELEMENT 107 ISOTOPES was used for this element.)

DA March 24, 2004  
UF *Element 107 Isotopes*  
BT1 Isotopes  
NT1 Bohrium 261  
NT1 Bohrium 262  
NT1 Bohrium 264  
NT1 Bohrium 265  
NT1 Bohrium 271

### *Bohunice Plant*

DA December 15, 2004  
USE Bohunice Radioactive Waste Processing Center

### **BOHUNICE RADIOACTIVE WASTE PROCESSING CENTER**

DA December 15, 2004  
UF *Bohunice Plant*  
UF *BSC RAO*  
BT1 Radioactive Waste Facilities  
RT Intermediate-Level Radioactive Wastes  
RT Low-Level Radioactive Wastes  
RT Manivier Canal  
RT Slovakia

### *British Anti-Lewisite*

(Prior to February 2005 BAL was used for this concept.)  
DA February 1, 2005  
USE Dimercaprol

### *BSC RAO*

(Bohunicke Spracovatelske Centrum RadioAktivnych Odpadov)  
DA December 15, 2004  
USE Bohunice Radioactive Waste Processing Center

### **BUBBLE DOSEMETERS**

DA January 7, 2004  
BT1 Dosimeters  
RT Neutron Dosimetry  
RT Personnel Dosimetry

### *Building Envelope*

DA May 18, 2004  
USE Roofs  
AND Walls

### *Building-Integrated Energy-Producing Components*

(Use the descriptor below + term(s) for the components, e.g. SOLAR CELL ARRAYS, TROMBE WALLS, ROOF PONDS.)  
DA February 10, 2004  
USE Solar Architecture

### *Bushehr-1 Reactor*

DA May 12, 2004  
USE Iran-1 Reactor

### *Bushehr-2 Reactor*

DA May 12, 2004  
USE Iran-2 Reactor

### *Canal Manivier*

DA December 15, 2004  
USE Manivier Canal

### **CARBON SEQUESTRATION**

DA January 15, 2004  
UF *Sequestration (Carbon Oxides)*  
BT1 Air Pollution Control  
BT1 Separation Processes  
RT Carbon Dioxide  
RT Carbon Sinks  
RT Greenhouse Gases  
DEF Removal of carbon and its compounds from the environment and deposition, for example, into geological formations, to keep them away from the atmosphere.

### *CFU (Colony Forming Units)*

(Limited to colony formation on spleen. Prior to January 2005 CFU was a valid descriptor.)  
DA January 28, 2005  
USE Colony Forming Units

### **CHILEAN ORGANIZATIONS**

DA March 31, 2004  
BT1 National Organizations

### *Chooz B-2 Reactor*

DA May 12, 2004  
USE Ardennes B-2 Reactor

### **CHROMIUM 63**

DA March 10, 2005  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Chromium Isotopes  
BT1 Even-Odd Nuclei  
BT1 Intermediate Mass Nuclei  
BT1 Milliseconds Living Radioisotopes

### **CHROMIUM 64**

DA March 10, 2005  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Chromium Isotopes  
BT1 Even-Even Nuclei  
BT1 Intermediate Mass Nuclei  
BT1 Microseconds Living Radioisotopes  
BT1 Milliseconds Living Radioisotopes

### **CHROMIUM 65**

DA March 10, 2005  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Chromium Isotopes  
BT1 Even-Odd Nuclei  
BT1 Intermediate Mass Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Nanoseconds Living Radioisotopes

### **CHROMIUM 66**

DA March 10, 2005  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Chromium Isotopes  
BT1 Even-Even Nuclei  
BT1 Intermediate Mass Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Nanoseconds Living Radioisotopes

### **CIVAUX-1 REACTOR**

(Electricite de France, Civaux, France.)  
DA May 12, 2004  
BT1 PWR Type Reactors

### **CIVAUX-2 REACTOR**

(Electricite de France, Civaux, France.)  
DA May 12, 2004  
BT1 PWR Type Reactors

### *CNEA (Paraguay)*

DA July 5, 2005  
USE Paraguayan CNEA

### **COLLISION PROBABILITY METHOD**

DA February 25, 2005  
BT1 Calculation Methods  
BT1 Numerical Solution  
RT Boltzmann Equation  
RT Collision Integrals  
RT Neutron Transport Theory  
DEF Numerical method for solving integral neutron transport equations.

### **COLONY FORMING UNITS**

(Limited to colony formation on spleen. Prior to January 2005 CFU was used for this concept.)

DA January 28, 2005  
UF *CFU*  
UF *CFU (Colony Forming Units)*  
RT Spleen Colony Formation  
RT Stem Cells

### *Columbia Generating Station*

DA September 16, 2005  
USE WNP-2 Reactor

### *Computational Fluid Dynamics*

DA April 24, 2006

October 6, 2006

USE Computerized Simulation  
AND Fluid Mechanics

*Contracting of Energy Services*

DA February 10, 2004  
USE Contractors  
AND Energy Supplies  
DEF Delivery of energy services (energy supplied in the form of heat and/or power) to a user by a third party under contract.

**CONVECTORS**

DA March 30, 2006  
BT1 Heat Exchangers  
BT1 Space Heaters

**CROATIAN ORGANIZATIONS**

DA March 31, 2004  
BT1 National Organizations

**CUBAN ORGANIZATIONS**

DA March 31, 2004  
BT1 National Organizations

*Current-Voltage Curves*

DA January 31, 2006  
USE Electric Conductivity

**CYSTEAMINE**

(Prior to February 2005 MEA was used for this concept.)

DA February 2, 2005  
UF *Aminoethanethiol*  
UF *MEA*  
UF *Mercamine*  
UF *Mercaptoethylamine*  
UF *MEA (Mercaptoethylamine)*  
BT1 Amines  
BT1 Radioprotective Substances  
BT1 Thiols  
RT Cystamine

**DARMSTADIUM**

(Prior to March 2004 ELEMENT 110 was used for this element.)

DA March 25, 2004  
UF *Eka-Platinum*  
UF *Element 110*  
UF *Ununnilium*  
BT1 Transactinide Elements

**DARMSTADIUM 269**

(Prior to March 2004 ELEMENT 110 269 was used for this concept.)

DA March 25, 2004  
UF *Element 110 269*  
BT1 Alpha Decay Radioisotopes  
BT1 Darmstadtium Isotopes  
BT1 Even-Odd Nuclei  
BT1 Heavy Nuclei  
BT1 Microseconds Living Radioisotopes

**DARMSTADIUM 270**

(Prior to March 2004 ELEMENT 110 270 was used for this concept.)

DA March 25, 2004  
UF *Element 110 270*  
BT1 Alpha Decay Radioisotopes  
BT1 Darmstadtium Isotopes  
BT1 Even-Even Nuclei  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes

**DARMSTADIUM 271**

DA November 29, 2004  
BT1 Alpha Decay Radioisotopes  
BT1 Darmstadtium Isotopes  
BT1 Even-Odd Nuclei  
BT1 Heavy Nuclei  
BT1 Isomeric Transition Isotopes  
BT1 Milliseconds Living Radioisotopes

**DARMSTADIUM COMPOUNDS**

(Prior to March 2004 ELEMENT 110 COMPOUNDS was used for this concept.)

DA March 25, 2004  
UF *Element 110 Compounds*  
BT1 Transactinide Compounds

**DARMSTADIUM ISOTOPES**

(Prior to March 2004 ELEMENT 110 ISOTOPES was used for this concept.)

DA March 25, 2004  
UF *Element 110 Isotopes*  
BT1 Isotopes  
NT1 Darmstadtium 269  
NT1 Darmstadtium 270  
NT1 Darmstadtium 271

**DETERMINISTIC ESTIMATION**

DA December 29, 2003  
UF+ *Deterministic Safety Assessment*  
BT1 Calculation Methods  
RT Forecasting  
RT Probabilistic Estimation  
RT Risk Assessment  
RT Safety Analysis  
DEF Analytical technique for calculation of unknown quantities and the uncertainty associated with the deterministic estimates of those quantities.

*Deterministic Safety Assessment*

DA December 29, 2003  
USE Deterministic Estimation  
AND Risk Assessment

**DIMENSIONLESS NUMBERS**

DA May 26, 2005  
NT1 Demand Factors  
NT1 Aspect Ratio  
NT1 Axial Ratio  
NT1 Beta Ratio  
NT1 Branching Ratio  
NT1 Capture-to-Fission Ratio  
NT1 Compression Ratio  
NT1 Concentration Ratio  
NT1 Conversion Ratio  
NT1 Fission Ratio  
NT1 Form Factors  
NT1 Friction Factor  
NT1 Fuel-Air Ratio  
NT1 Isomer Ratio  
NT1 Isotope Ratio  
NT1 Minus-Plus Ratio  
NT1 Mirror Ratio  
NT1 Mixing Ratio  
NT1 Moderating Ratio  
NT1 Moderator-Fuel Ratio  
NT1 Multiplication Factors  
NT1 Order Parameters  
NT1 Oxygen Enhancement Ratio  
NT1 Panofsky Ratio  
NT1 Poisson Ratio  
NT1 Polarization-Asymmetry Ratio

NT1 Power Factor  
NT1 Sex Ratio  
NT1 Signal-to-Noise Ratio  
NT1 Slip Ratio  
NT1 Spectroscopic Factors  
NT1 Structure Factors  
NT1 Wolfenstein Parameters  
NT1 Disadvantage Factor  
NT1 Dissipation Factor  
NT1 Fano Factor  
NT1 Fast Fission Factor  
NT1 Fill Factors  
NT1 Froude Number  
NT1 Grashof Number  
NT1 Hartmann Number  
NT1 Hot Channel Factor  
NT1 Hot Spot Factor  
NT1 Lande Factor  
NT1 Mach Number  
NT1 Nusselt Number  
NT1 Prandtl Number  
NT1 Quality Factor  
NT1 Reynolds Number  
NT1 Richardson Number  
NT1 Sommerfeld Constant  
NT1 Thermal Fission Factor  
DEF Numbers with no associated unit of measure such as grams or meters; often the ratio of two numbers with the same unit of measure.

**DIMERCAPROL**

(Prior to February 2005 BAL was used for this concept.)

DA February 1, 2005  
UF *BAL*  
UF *Dimercaptopropanol*  
UF *BAL (British Anti-Lewisite)*  
UF *British Anti-Lewisite*  
BT1 Chelating Agents  
BT1 Dithiols  
BT1 Radioprotective Substances  
RT Unithiol

**DIRECT ETHANOL FUEL CELLS**

DA August 29, 2006  
BT1 Alcohol Fuel Cells

**DIRECT INJECTION ENGINES**

DA August 16, 2004  
BT1 Internal Combustion Engines

**DISPLACEMENT VENTILATION**

DA May 18, 2004  
BT1 Ventilation  
RT Natural Convection  
RT Ventilation Systems  
DEF Ventilation technique in which fresh air is introduced at floor level and used air is extracted at ceiling level on the opposite side of the room, or vice versa.

**DISTRIBUTED STRUCTURES**

(Coordinate with relevant descriptor(s) for what is distributed, e.g. THERMAL

POWER PLANTS, WASTE PROCESSING PLANTS, HOSPITALS.)

DA September 2, 2004  
RT Buildings  
RT Computer Architecture  
RT Energy Facilities  
RT Modular Structures  
RT Nuclear Facilities

October 6, 2006

RT Test Facilities

#### DUBNIUM

(Prior to March 2004 ELEMENT 105 was used for this element.)

DA March 23, 2004

UF *Eka-Tantalum*

UF *Element 105*

UF *Hahnium*

UF *Unnilpentium*

BT1 Transactinide Elements

#### DUBNIUM 255

(Prior to March 2004 ELEMENT 105 255 was used for this concept.)

DA March 23, 2004

UF *Element 105 255*

BT1 Alpha Decay Radioisotopes

BT1 Dubnium Isotopes

BT1 Heavy Nuclei

BT1 Odd-Even Nuclei

BT1 Seconds Living Radioisotopes

BT1 Spontaneous Fission Radioisotopes

#### DUBNIUM 256

(Prior to March 2004 ELEMENT 105 256 was used for this concept.)

DA March 23, 2004

UF *Element 105 256*

BT1 Alpha Decay Radioisotopes

BT1 Dubnium Isotopes

BT1 Heavy Nuclei

BT1 Odd-Odd Nuclei

BT1 Seconds Living Radioisotopes

BT1 Spontaneous Fission Radioisotopes

#### DUBNIUM 257

(Prior to March 2004 ELEMENT 105 257 was used for this concept.)

DA March 23, 2004

UF *Element 105 257*

BT1 Alpha Decay Radioisotopes

BT1 Dubnium Isotopes

BT1 Heavy Nuclei

BT1 Odd-Even Nuclei

BT1 Seconds Living Radioisotopes

BT1 Spontaneous Fission Radioisotopes

#### DUBNIUM 258

(Prior to March 2004 ELEMENT 105 258 was used for this concept.)

DA March 23, 2004

UF *Element 105 258*

BT1 Alpha Decay Radioisotopes

BT1 Dubnium Isotopes

BT1 Electron Capture Radioisotopes

BT1 Heavy Nuclei

BT1 Odd-Odd Nuclei

BT1 Seconds Living Radioisotopes

BT1 Spontaneous Fission Radioisotopes

#### DUBNIUM 259

(Prior to March 2004 ELEMENT 105 259 was used for this concept.)

DA March 23, 2004

UF *Element 105 259*

BT1 Dubnium Isotopes

BT1 Heavy Nuclei

BT1 Odd-Even Nuclei

BT1 Seconds Living Radioisotopes

BT1 Spontaneous Fission Radioisotopes

#### DUBNIUM 260

(Prior to March 2004 ELEMENT 105 260 was used for this concept.)

DA March 23, 2004

UF *Element 105 260*

BT1 Alpha Decay Radioisotopes

BT1 Dubnium Isotopes

BT1 Heavy Nuclei

BT1 Odd-Odd Nuclei

BT1 Seconds Living Radioisotopes

BT1 Spontaneous Fission Radioisotopes

#### DUBNIUM 261

(Prior to March 2004 ELEMENT 105 261 was used for this concept.)

DA March 23, 2004

UF *Element 105 261*

BT1 Alpha Decay Radioisotopes

BT1 Dubnium Isotopes

BT1 Heavy Nuclei

BT1 Odd-Even Nuclei

BT1 Seconds Living Radioisotopes

BT1 Spontaneous Fission Radioisotopes

#### DUBNIUM 262

(Prior to March 2004 ELEMENT 105 262 was used for this concept.)

DA March 23, 2004

UF *Element 105 262*

BT1 Alpha Decay Radioisotopes

BT1 Dubnium Isotopes

BT1 Heavy Nuclei

BT1 Odd-Odd Nuclei

BT1 Seconds Living Radioisotopes

BT1 Spontaneous Fission Radioisotopes

#### DUBNIUM 263

(Prior to March 2004 ELEMENT 105 263 was used for this concept.)

DA March 23, 2004

UF *Element 105 263*

BT1 Alpha Decay Radioisotopes

BT1 Dubnium Isotopes

BT1 Heavy Nuclei

BT1 Odd-Even Nuclei

BT1 Seconds Living Radioisotopes

BT1 Spontaneous Fission Radioisotopes

#### DUBNIUM COMPOUNDS

(Prior to March 2004 ELEMENT 105 COMPOUNDS was used for this concept.)

DA March 23, 2004

UF *Element 105 Compounds*

BT1 Transactinide Compounds

#### DUBNIUM ISOTOPES

(Prior to March 2004 ELEMENT 105 ISOTOPES was used for this concept.)

DA March 23, 2004

UF *Element 105 Isotopes*

BT1 Isotopes

NT1 Dubnium 255

NT1 Dubnium 256

NT1 Dubnium 257

NT1 Dubnium 258

NT1 Dubnium 259

NT1 Dubnium 260

NT1 Dubnium 261

NT1 Dubnium 262

NT1 Dubnium 263

#### DYSPROSIUM 140

DA October 18, 2004

BT1 Beta-Plus Decay Radioisotopes

BT1 Dysprosium Isotopes

BT1 Electron Capture Radioisotopes

BT1 Even-Even Nuclei

BT1 Isomeric Transition Isotopes

BT1 Microseconds Living Radioisotopes

BT1 Rare Earth Nuclei

BT1 Seconds Living Radioisotopes

*EAST Tokamak*

DA July 21, 2006

USE HT-7U Tokamak

#### EGYPTIAN ORGANIZATIONS

DA March 31, 2004

BT1 National Organizations

*Egyptian Testing Research Reactor-1*

DA May 19, 2005

USE ETRR-1 Reactor

*Egyptian Testing Research Reactor-2*

DA May 19, 2005

USE ETRR-2 Reactor

→ *Electroforming*

DA September 1, 2006

USE Electrodeposition

*Element 111 Isotopes*

(Prior to January 2006 this was a valid descriptor.)

DA January 9, 2006

USE Roentgenium Isotopes

#### ELEVATORS

DA August 23, 2006

UF *Lifts*

RT Buildings

RT Occupants

*EMS (Ethyl Methanesulfonate)*

(Prior to January 2005 EMS was a valid descriptor.)

DA January 28, 2005

USE Ethyl Methanesulfonate

*Energy Content*

DA May 18, 2004

SEE Energy

OR Energy Accounting

OR Energy Audits

OR Energy Balance

OR Gray Energy

OR Life Cycle Assessment

*Enthalpy Wheels*

DA June 30, 2006

SEE Heat Exchangers

#### ENVIRONMENTAL AWARENESS

DA August 30, 2004

BT1 Public Opinion

RT Environment

RT Environmental Policy

RT Environmental Quality

DEF Public consciousness related to the environment, preservation of its quality, and causes of its deterioration.

#### ENVIRONMENTAL PROTECTION

DA August 26, 2004

UF *Nature Conservation*

RT Climatic Change

RT Environment

RT Environmental Effects

RT Environmental Impacts

RT Kyoto Protocol

RT Resource Conservation



October 6, 2006

RT Rio Declaration  
RT Sustainable Development  
DEF Action to minimize harmful effects of human activities on the environment.

#### ES-SALAM REACTOR

(Centre de Development des Systemes Energetiques, Ainoussera, Algeria)  
DA February 10, 2005  
BT1 Enriched Uranium Reactors  
BT1 Heavy Water Cooled Reactors  
BT1 Heavy Water Moderated Reactors  
BT1 Research Reactors  
BT1 Thermal Reactors  
BT1 Training Reactors

#### ESTONIAN ORGANIZATIONS

DA March 31, 2004  
BT1 National Organizations

#### ETHYL METHANESULFONATE

(Prior to January 2005 EMS was used for this concept.)  
DA January 28, 2005  
UF EMS  
UF EMS (Ethyl Methanesulfonate)  
BT1 Mutagens  
BT1 Sulfonic Acid Esters  
RT Methane

#### Experimental Advanced Superconducting Tokamak

DA July 21, 2006  
USE HT-7U Tokamak

#### EXTERNAL COST

DA September 2, 2004  
UF Externalities  
SF Societal Costs  
BT1 Cost  
RT Cost Benefit Analysis  
RT Life-Cycle Cost  
DEF Cost of a product or operation not included in the balance sheet but borne by society as a whole, such as health effects of environmental pollution.

#### Externalities

DA September 7, 2004  
USE External Cost

#### Facilities (Sport)

DA September 17, 2004  
USE Sport Facilities

#### FENCES

DA June 30, 2006  
BT1 Physical Protection Devices  
RT Biointrusion  
RT Human Intrusion

#### FLAVONOIDS

(Prior to January 2004 this descriptor was spelled FLAVENOIDS.)  
DA January 15, 2004  
UF Flavenoids  
BT1 Organic Oxygen Compounds  
NT1 Flavones

#### FRM-II REACTOR

(Technische Universitaet Muenchen, Germany.)  
DA April 2, 2004  
UF New Neutron Source FRM-II

BT1 Enriched Uranium Reactors  
BT1 Heavy Water Moderated Reactors  
BT1 Pool Type Reactors  
BT1 Research Reactors  
BT1 Thermal Reactors

#### Ghana Miniature Neutron Source Reactor

DA March 17, 2004  
USE Gharr-1 Reactor

#### GHANAIAN ORGANIZATIONS

DA March 31, 2004  
BT1 National Organizations

#### GIDRA REACTOR

(Russian Research Center, Kurchatov Institute, Moscow, Russian Federation)  
DA September 10, 2004  
UF Hydra Reactor  
BT1 Aqueous Homogeneous Reactors  
BT1 Enriched Uranium Reactors  
BT1 Pulsed Reactors  
BT1 Research Reactors  
BT1 Thermal Reactors

#### GLOBAL POSITIONING SYSTEM

DA August 30, 2004  
UF GPS  
RT Coordinates  
RT Navigational Instruments  
RT Positioning  
RT Satellites

#### GLOBALIZATION

DA August 27, 2004  
RT Economy  
RT Global Aspects  
RT Market  
RT Trade

#### GPS

DA August 30, 2004  
USE Global Positioning System

#### GRANULATION

DA February 9, 2006  
BT1 Fabrication  
RT Agglomeration  
DEF Process of producing particles of grain-like structure from solid substances.

#### GRAVELINES-1 REACTOR

(Gravelines, Nord, France. Prior to December 2004 GRAVELINES-B1 REACTOR was used for this reactor.)  
DA December 17, 2004  
UF Gravelines-B1 Reactor  
BT1 PWR Type Reactors  
RT Gravelines Site

#### GRAVELINES-2 REACTOR

(Gravelines, Nord, France)  
DA December 17, 2004  
BT1 PWR Type Reactors  
RT Gravelines Site

#### GRAVELINES-3 REACTOR

(Gravelines, Nord, France)  
DA December 17, 2004  
BT1 PWR Type Reactors  
RT Gravelines Site

#### GRAVELINES-4 REACTOR

(Gravelines, Nord, France)  
DA December 17, 2004  
BT1 PWR Type Reactors  
RT Gravelines Site

#### GRAVELINES-5 REACTOR

(Gravelines, Nord, France)  
DA December 17, 2004  
BT1 PWR Type Reactors  
RT Gravelines Site

#### GRAVELINES-6 REACTOR

(Gravelines, Nord, France. Prior to December 2004 GRAVELINES-C6 REACTOR was used for this reactor.)  
DA December 17, 2004  
UF Gravelines-C6 Reactor  
BT1 PWR Type Reactors  
RT Gravelines Site

#### GRAVELINES SITE

(Gravelines, Nord, France)  
DA December 17, 2004  
BT1 Reactor Sites  
RT Gravelines-1 Reactor  
RT Gravelines-2 Reactor  
RT Gravelines-3 Reactor  
RT Gravelines-4 Reactor  
RT Gravelines-5 Reactor  
RT Gravelines-6 Reactor

#### GRAY ENERGY

DA November 2, 2004  
UF Grey Energy  
SF Energy Content  
BT1 Energy  
RT Energy Accounting  
DEF Amount of energy consumed in the manufacture of a product or in providing a service.

#### Grey Energy

DA November 2, 2004  
USE Gray Energy

#### HADES UNDERGROUND RESEARCH FACILITY

DA March 18, 2005  
BT1 Radioactive Waste Facilities  
BT1 Underground Facilities  
RT Boom Clay  
DEF Experimental site for disposal of high-level radioactive waste in boom clay formation at Mol, Belgium.

#### Halls

DA May 26, 2006  
SEE High Rooms

#### HASSIUM

(Prior to March 2004 ELEMENT 108 was used for this element.)  
DA March 25, 2004  
UF Eka-Osmium  
UF Element 108  
UF Unniloctium  
BT1 Transactinide Elements

#### HASSIUM 264

(Prior to March 2004 ELEMENT 108 264 was used for this concept.)  
DA March 25, 2004  
UF Element 108 264  
BT1 Alpha Decay Radioisotopes

October 6, 2006

BT1 Even-Even Nuclei  
BT1 Hassium Isotopes  
BT1 Heavy Nuclei  
BT1 Microseconds Living Radioisotopes  
BT1 Spontaneous Fission Radioisotopes

#### **HASSIUM 265**

(Prior to March 2004 ELEMENT 108 265 was used for this concept.)

DA March 25, 2004  
UF *Element 108 265*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Hassium Isotopes  
BT1 Heavy Nuclei  
BT1 Microseconds Living Radioisotopes  
BT1 Milliseconds Living Radioisotopes  
BT1 Spontaneous Fission Radioisotopes

#### **HASSIUM 266**

(Prior to March 2004 ELEMENT 108 266 was used for this concept.)

DA March 25, 2004  
UF *Element 108 266*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Even Nuclei  
BT1 Hassium Isotopes  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes

#### **HASSIUM 267**

DA November 29, 2004  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Hassium Isotopes  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes

#### **HASSIUM 270**

(Prior to March 2004 ELEMENT 108 270 was used for this concept.)

DA March 25, 2004  
UF *Element 108 270*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Even Nuclei  
BT1 Hassium Isotopes  
BT1 Heavy Nuclei  
BT1 Seconds Living Radioisotopes

#### → **HASSIUM 271**

DA September 1, 2006  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Hassium Isotopes  
BT1 Heavy Nuclei  
BT1 Seconds Living Radioisotopes

#### **HASSIUM COMPOUNDS**

(Prior to March 2004 ELEMENT 108 COMPOUNDS was used for this concept.)

DA March 25, 2004  
UF *Element 108 Compounds*  
BT1 Transactinide Compounds

#### **HASSIUM ISOTOPES**

(Prior to March 2004 ELEMENT 108 ISOTOPES was used for this concept.)

DA March 25, 2004  
UF *Element 108 Isotopes*  
BT1 Isotopes  
NT1 Hassium 264  
NT1 Hassium 265  
NT1 Hassium 266

NT1 Hassium 270  
NT1 Hassium 267  
NT1 Hassium 271

#### *Heat Emission Systems*

DA March 30, 2006  
SEE Heat Exchangers  
OR Heating Systems  
OR Space Heaters

#### **HEAT PRODUCTION**

DA March 30, 2006  
BT1 Energy Conversion  
RT Boilers  
RT Furnaces  
RT Microgeneration  
RT Heaters  
RT Space Heating

#### *Heating Floors*

DA March 30, 2006  
USE Floors  
AND Heating Systems

#### **HEAVY METALS**

(Metals with  $Z > 28$ , which are a major source of environmental pollution. Index the specific heavy metal(s) if appropriate.)

DA June 5, 2006  
BT1 Metals  
RT Environmental Impacts  
RT Pollution  
RT Pollution Abatement  
RT Toxic Materials

#### **HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY**

DA July 16, 2004  
UF *High-Pressure Liquid Chromatography*  
UF *HPLC*  
BT1 Liquid Column Chromatography

#### *High-Pressure Liquid Chromatography*

DA July 16, 2004  
USE High-Performance Liquid Chromatography

#### **HIGH-RISE BUILDINGS**

DA June 1, 2005  
UF *Skyscrapers*  
SF *Multistory Buildings*  
BT1 Buildings  
RT Wind Loads  
DEF Buildings at least 35 meters (12 stories) in height.

#### **HIGH ROOMS**

DA May 26, 2006  
SF *Halls*  
RT Atria  
RT Buildings  
RT Domed Structures  
DEF Large, open spaces (usually more than 7m high) found in such structures as churches, concert halls, and industrial factories.

#### *HIV*

DA May 26, 2004  
USE AIDS Virus

#### **HOLLOW ANODES**

DA December 21, 2004  
BT1 Anodes

#### **HOLMIUM 143**

DA December 14, 2004  
BT1 Electron Capture Radioisotopes  
BT1 Holmium Isotopes  
BT1 Milliseconds Living Radioisotopes  
BT1 Odd-Even Nuclei  
BT1 Rare Earth Nuclei

#### *HPLC*

DA July 16, 2004  
USE High-Performance Liquid Chromatography

#### **HORN RIVER**

DA December 15, 2004  
BT1 Rivers  
RT Slovakia

#### *Human Immune Deficiency Virus*

DA May 26, 2004  
USE AIDS Virus

#### **HUMIDITY RECOVERY**

DA September 14, 2004  
RT Air Conditioners  
RT Heat Recovery  
RT Humidity  
RT Humidity Control

#### *Hydra Reactor*

(Russian Research Center, Kurchatov Institute, Moscow, Russia)  
DA September 10, 2004  
USE Gidra Reactor

#### **HYDROGELS**

DA February 1, 2006  
BT1 Gels  
RT Polymers  
RT Water  
DEF Two-phase colloidal systems in which the disperse phase (particles) has combined with water.

#### **HYDROXYPROPIOPHENONE**

(Prior to February 2005 POP was used for this concept.)

DA February 1, 2005  
UF *POP*  
UF *POP (Paroxypropione)*  
UF *Paroxypropione*  
BT1 Ketones  
BT1 Phenols

#### **HYPERBOLIC CONFIGURATION**

DA September 8, 2004  
BT1 Configuration

#### **HYPOTHETICAL ACCIDENTS**

(For possible accidents which have not actually occurred. Coordinate with descriptor(s) for the specific accident, e.g. LOSS OF FLOW, OIL SPILLS, if appropriate.)

DA June 30, 2006  
BT1 Accidents  
RT Hypothesis  
RT Reactor Accident Simulation

#### *IAEA Marine Environment Laboratory, Monaco*

DA July 8, 2004  
USE Monaco Marine Environment Laboratory

October 6, 2006

*ICNS (International Convention on Nuclear Safety)*

(Prior to January 2005 ICNS was a valid descriptor.)

DA January 28, 2005

USE International Convention on Nuclear Safety

*Idaho National Engineering and Environmental Laboratory*

DA May 19, 2005

USE INEEL

*IEC (International Electrotechnical Commission)*

DA September 14, 2004

USE International Electrotechnical Commission

*IEUS (Integrated Energy Utility Systems)*  
(Prior to January 2005 IEUS was a valid descriptor.)

DA January 28, 2005

USE Integrated Energy Utility Systems

#### INDONESIAN ORGANIZATIONS

DA March 31, 2004

BT1 National Organizations

#### INDOORS

(Only for documents where this concept is significant.)

DA November 2, 2004

RT Indoor Air Contamination

RT Indoor Air Pollution

RT Outdoors

#### INEEL

(Formerly known as Idaho National Engineering Laboratory, and before 1976 as NRTS.)

DA May 19, 2005

UF *Idaho National Engineering Laboratory*

UF *National Reactor Testing Station*

UF *NRTS*

UF *INEEL*

UF *Idaho National Engineering and Environmental Laboratory*

BT1 US DOE

#### INTEGRATED ENERGY UTILITY SYSTEMS

(Prior to January 2005 IEUS was used for this concept.)

DA January 28, 2005

UF *IEUS*

UF *IEUS (Integrated Energy Utility Systems)*

BT1 Energy Systems

NT1 Modular Integrated Utility Systems

RT ICES Program

RT Public Utilities

RT Total Energy Systems

#### INTERNATIONAL CONVENTION ON NUCLEAR SAFETY

(Prior to January 2005 ICNS was used for this concept.)

DA January 28, 2005

UF *ICNS*

UF *Convention on Nuclear Safety*

UF *Nuclear Safety Convention*

UF *ICNS (International Convention on Nuclear Safety)*

BT1 International Agreements

RT IAEA

RT Radiation Protection

RT Reactor Safety

#### INTERNATIONAL ELECTROTECHNICAL COMMISSION

DA September 14, 2004

UF *IEC (International Electrotechnical Commission)*

BT1 International Organizations

RT ISO

RT Recommendations

RT Standards

RT Standards Document

#### INTERNATIONAL SPACE STATION

DA October 12, 2005

UF *ISS Orbital Station*

BT1 Satellites

BT1 Space Vehicles

#### *IPR-1 Reactor*

(Instituto de Pesquisas Radioativas

Nuclebras, Cidade

Universitaria-Pampulma, Minas

Gerais, Brazil.)

DA February 8, 2005

USE TRIGA-Brazil Reactor

#### IR-100 REACTOR

(Sevastopol Inst. of Nuclear Energy and Industry, Sevastopol, Ukraine)

DA June 1, 2005

BT1 Experimental Reactors

BT1 Pool Type Reactors

BT1 Training Reactors

#### IRIDIUM 199

DA December 14, 2004

BT1 Beta-Minus Decay Radioisotopes

BT1 Heavy Nuclei

BT1 Iridium Isotopes

BT1 Minutes Living Radioisotopes

BT1 Odd-Even Nuclei

#### *Irradiance*

DA February 24, 2006

USE Radiant Flux Density

#### IRT-1 LIBYA REACTOR

(Tajoura Nuclear Research Center, Tajoura, Libyan Arab Jamahiriya)

DA January 24, 2005

UF *WWR-Libyan Reactor*

UF *Libyan IRT-1 Reactor*

BT1 Research Reactors

BT1 Thermal Reactors

BT1 WWR Type Reactors

#### *ISS Orbital Station*

DA October 12, 2005

USE International Space Station

#### IVV-2M REACTOR

(Gosatomnadzor of Russia, Russian Federation Atomic Energy Ministry, Sverdlovsk, Russian Federation.)

DA May 12, 2004

BT1 Enriched Uranium Reactors

BT1 Materials Testing Reactors

BT1 Pool Type Reactors

BT1 Research Reactors

BT1 Thermal Reactors

#### IAEA

(The Japan Atomic Energy Research Institute (JAERI) and the Japan

Nuclear Cycle Development Institute (JNC) were merged into a new independent organization named the Japan Atomic Energy Agency (JAEA) in October 2005.)

DA January 24, 2006

UF *Japan Atomic Energy Agency*

BT1 Japanese Organizations

#### *Japan Atomic Energy Agency*

DA January 24, 2006

USE JAEA

#### *Japan Nuclear Energy Safety Organization*

DA January 9, 2006

USE JNES

#### *JHR Reactor*

DA February 10, 2005

USE Jules Horowitz Reactor

#### JNES

DA January 9, 2006

UF *Japan Nuclear Energy Safety Organization*

BT1 Japanese Organizations

#### JORDANIAN ORGANIZATIONS

DA March 31, 2004

BT1 National Organizations

#### JULES HOROWITZ REACTOR

(High flux materials testing reactor; CEA, Cadarache, Saint-Paul-lez-Durance, France.)

DA February 10, 2005

UF *Reacteur Jules Horowitz*

UF *JHR Reactor*

UF *RJH Reactor*

BT1 Enriched Uranium Reactors

BT1 Experimental Reactors

BT1 Materials Testing Reactors

BT1 Pool Type Reactors

BT1 Thermal Reactors

#### KAIGA-3 REACTOR

(Nuclear Power Corporation of India Ltd., Kaiga, Karnataka, India)

DA July 22, 2005

BT1 PHWR Type Reactors

BT1 Power Reactors

BT1 Thermal Reactors

#### KAIGA-4 REACTOR

(Nuclear Power Corporation of India Ltd., Kaiga, Karnataka, India)

DA July 22, 2005

BT1 PHWR Type Reactors

BT1 Power Reactors

BT1 Thermal Reactors

#### KALPAKKAM PFBR REACTOR

(Bharatiya Nabhikiya Vidyut Nigam Ltd., Kalpakkam, Tamil Nadu, India)

DA July 22, 2005

UF *Kalpakkam Prototype Fast Breeder Reactor*

BT1 FBR Type Reactors

#### *Kalpakkam Prototype Fast Breeder Reactor*

DA July 22, 2005

USE Kalpakkam PFBR Reactor

#### KNOWLEDGE MANAGEMENT

DA October 28, 2005

October 6, 2006

BT1 Management  
**NT1** Knowledge Preservation  
*RT* Information Dissemination  
*RT* Information Retrieval  
*RT* Information Systems  
*RT* Knowledge Base  
DEF Integrated and systematic approach to identifying, collecting, maintaining and sharing knowledge, and enabling the creation of new knowledge.

#### KNOWLEDGE PRESERVATION

DA October 28, 2005  
BT1 Knowledge Management  
*RT* Documentation

#### KUDANKULAM-1 REACTOR

(Nuclear Power Corporation of India Ltd.,  
Kudankulam, Tamil Nadu, India)  
DA July 22, 2005  
BT1 WWER Type Reactors

#### KUDANKULAM-2 REACTOR

(Nuclear Power Corporation of India Ltd.,  
Kudankulam, Tamil Nadu, India)  
DA July 22, 2005  
BT1 WWER Type Reactors

#### LANDFILL GAS

DA May 12, 2006  
BT1 Fuel Gas  
*RT* Carbon Dioxide  
*RT* Methane  
*RT* Sanitary Landfills

#### LATVIAN ORGANIZATIONS

DA March 31, 2004  
BT1 National Organizations

#### LEBANESE ORGANIZATIONS

DA March 31, 2004  
BT1 National Organizations

#### *LH (Luteinizing Hormone)*

(Prior to January 2005 LH was a valid descriptor.)  
DA January 28, 2005  
USE Luteinizing Hormone

#### *Libyan IRT-1 Reactor*

DA January 24, 2005  
USE IRT-1 Libya Reactor

#### LIFETIME EXTENSION

DA December 1, 2004  
BT1 Service Life  
*RT* Reactor Licensing  
*RT* Reactor Operation

#### *Lifts*

DA August 23, 2006  
USE Elevators

#### LIGHTING REQUIREMENTS

DA February 24, 2006  
BT1 Demand  
*RT* Brightness  
*RT* Daylighting  
*RT* Illuminance  
*RT* Lighting Systems  
*RT* Visible Radiation

#### LOW-EMISSION VEHICLES

DA November 2, 2004  
UF *Zero-Emission Vehicles*

BT1 Vehicles  
*RT* Air Pollution Abatement  
DEF Vehicles with much lower amounts of polluting emissions than usual, e.g. ELECTRIC VEHICLES.

#### LOW-ENERGY BUILDINGS

DA February 10, 2004  
BT1 Buildings  
*RT* Energy Audits  
*RT* Energy Conservation  
*RT* Energy Management Systems  
DEF Buildings using significantly less energy (e.g., for domestic water and space heating) than similar buildings in the same location which lack advanced energy conservation measures.

#### LUTEINIZING HORMONE

(Prior to January 2005 LH was used for this concept.)  
DA January 28, 2005  
UF *Interstitial Cell Stimulating Hormone*  
UF *LH*  
UF *LH (Luteinizing Hormone)*  
BT1 Glycoproteins  
BT1 Gonadotropins  
*RT* Androgens  
*RT* Estrous Cycle  
*RT* LH-RH

#### MACEDONIAN ORGANIZATIONS

DA March 31, 2004  
BT1 National Organizations

#### MAGNESIUM 19

DA September 14, 2004  
BT1 Even-Odd Nuclei  
BT1 Light Nuclei  
BT1 Magnesium Isotopes  
BT1 Milliseconds Living Radioisotopes

#### → MAGNESIUM 39

DA October 6, 2006  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Light Nuclei  
BT1 Magnesium Isotopes  
BT1 Nanoseconds Living Radioisotopes

#### MAGNESIUM 40

DA January 18, 2005  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Even-Even Nuclei  
BT1 Light Nuclei  
BT1 Magnesium Isotopes

#### MANIVIER CANAL

DA December 15, 2004  
UF *Canal Manivier*  
BT1 Inland Waterways  
*RT* Bohunice Radioactive Waste Processing Center  
*RT* Slovakia

#### *MEA (Mercaptoethylamine)*

(Prior to February 2005 MEA was a valid descriptor.)  
DA February 8, 2005  
USE Cysteamine

#### *Mean Radiant Temperature*

(Parameter used in description of thermal comfort of building occupants; use one or more of the following descriptors.)  
DA June 10, 2004

SEE Blackbody Radiation  
OR Thermal Comfort  
OR Thermodynamic Properties

#### *MEG (Mercaptoethylguanidine)*

(Prior to January 2005 MEG was a valid descriptor.)  
DA January 28, 2005  
USE Mercaptoethylguanidine

#### MEITNERIUM

(Prior to March 2004 ELEMENT 109 was used for this element.)  
DA March 25, 2004  
UF *Eka-Iridium*  
UF *Element 109*  
UF *Unnilennium*  
BT1 Transactinide Elements

#### MEITNERIUM 266

(Prior to March 2004 ELEMENT 109 266 was used for this concept.)  
DA March 25, 2004  
UF *Element 109 266*  
BT1 Alpha Decay Radioisotopes  
BT1 Heavy Nuclei  
BT1 Meitnerium Isotopes  
BT1 Microseconds Living Radioisotopes  
BT1 Milliseconds Living Radioisotopes  
BT1 Odd-Odd Nuclei  
BT1 Spontaneous Fission Radioisotopes

#### MEITNERIUM 268

(Prior to March 2004 ELEMENT 109 268 was used for this concept.)  
DA March 25, 2004  
UF *Element 109 268*  
BT1 Alpha Decay Radioisotopes  
BT1 Heavy Nuclei  
BT1 Meitnerium Isotopes  
BT1 Milliseconds Living Radioisotopes  
BT1 Odd-Odd Nuclei

#### MEITNERIUM ISOTOPES

(Prior to March 2004 ELEMENT 109 ISOTOPES was used for this concept.)  
DA March 25, 2004  
UF *Element 109 Isotopes*  
BT1 Isotopes  
**NT1** Meitnerium 266  
**NT1** Meitnerium 268

#### MERCAPTOETHYLGUANIDINE

(Prior to January 2005 MEG was used for this concept.)  
DA January 28, 2005  
UF *MEG*  
UF *MEG (Mercaptoethylguanidine)*  
BT1 Carbonic Acid Derivatives  
BT1 Radioprotective Substances  
BT1 Thiols  
*RT* Guanidines

#### MICROARRAY TECHNOLOGY

DA January 25, 2006  
BT1 Biotechnology  
*RT* Gene Regulation  
*RT* Genetic Mapping  
*RT* Transcription  
DEF Biotechnology method useful, for example, in determining how a cell can control the expression of large numbers of genes simultaneously.

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#### **MICROGENERATION**

DA May 12, 2006  
BT1 Power Generation  
RT Fuel Cell Power Plants  
RT Heat Production  
RT Low-Head Hydroelectric Power Plants  
RT Photovoltaic Power Plants  
RT Small-Scale Hydroelectric Power Plants  
RT Solar Thermal Power Plants  
DEF Generation of electricity or heat below approximately 50 kW.

#### *Miniature Neutron Source Reactors*

DA March 17, 2004  
USE MNSR Type Reactors

#### *MIUS (Modular Integrated Utility Systems)*

(Prior to February 2005 MIUS was a valid descriptor.)

DA February 10, 2005  
USE Modular Integrated Utility Systems  
DEF Small plant located within housing developments or communities to provide all utility services.

#### **MNSR-CIAE REACTOR**

(CIAE, Beijing, China. Prior to March 2004 the descriptor MNS REACTOR was used for this reactor.)  
DA March 17, 2004  
UF *Beijing Miniature Neutron Source Reactor*  
UF *MNS Reactor*  
BT1 MNSR Type Reactors  
RT CIAE

#### **MNSR-SD REACTOR**

(Research Institute of Geological Science, Shandong, China.)  
DA March 17, 2004  
UF *Shandong Miniature Neutron Source Reactor*  
BT1 MNSR Type Reactors

#### **MNSR-SH REACTOR**

(Shanghai Testing and Research Institute, China.)  
DA March 17, 2004  
UF *Shanghai Miniature Neutron Source Reactor*  
BT1 MNSR Type Reactors

#### **MNSR-SZ REACTOR**

(Shenzhen Univ., China.)  
DA March 17, 2004  
UF *Shenzhen Miniature Neutron Source Reactor*  
BT1 MNSR Type Reactors

#### **MNSR TYPE REACTORS**

DA March 17, 2004  
UF *Miniature Neutron Source Reactors*  
BT1 Enriched Uranium Reactors  
BT1 Research Reactors  
BT1 Tank Type Reactors  
BT1 Thermal Reactors  
BT1 Water Cooled Reactors  
BT1 Water Moderated Reactors  
NT1 Gharr-1 Reactor  
NT1 NIRR-1 Reactor  
NT1 MNSR-CIAE Reactor  
NT1 MNSR-SD Reactor  
NT1 MNSR-SH Reactor  
NT1 MNSR-SZ Reactor  
NT1 PARR-2 Reactor  
NT1 SRR-1 Reactor

#### **MODULAR INTEGRATED UTILITY SYSTEMS**

(Prior to February 2005 MIUS was used for this concept.)

DA February 10, 2005  
UF *MIUS*  
UF *MIUS (Modular Integrated Utility Systems)*  
BT1 Integrated Energy Utility Systems  
RT Central Heating Plants  
RT ICES Program  
RT Public Utilities  
RT Total Energy Systems  
DEF Small plant located within housing developments or communities to provide all utility services.

#### **MOLYBDENUM 110**

DA February 17, 2004  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Even-Even Nuclei  
BT1 Intermediate Mass Nuclei  
BT1 Molybdenum Isotopes  
BT1 Seconds Living Radioisotopes

#### **MONACO MARINE ENVIRONMENT LABORATORY**

(Prior to June 2004 ILMR was used for this research institute.)  
DA July 8, 2004  
UF *IAEA Marine Environment Laboratory, Monaco*  
UF *ILMR*  
BT1 IAEA

#### **MOROCCAN ORGANIZATIONS**

DA March 31, 2004  
BT1 National Organizations

#### *Multistory Buildings*

DA July 5, 2005  
SEE High-Rise Buildings

#### **NATURAL ATTENUATION**

DA July 5, 2005  
RT Chemical Spills  
RT Decontamination  
RT Hazardous Materials Spills  
RT Land Pollution Control  
RT Land Reclamation  
RT Oil Spills  
RT Remedial Action  
RT Water Pollution Control  
DEF Reduction in the amount of pollution or contamination by naturally occurring physical, chemical, and/or biological processes.

#### *Natural Ventilation*

DA May 18, 2004  
USE Natural Convection  
AND Ventilation

#### *Nature Conservation*

DA August 26, 2004  
USE Environmental Protection

#### **NEODYMIUM 125**

DA December 14, 2004  
BT1 Electron Capture Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Neodymium Isotopes  
BT1 Rare Earth Nuclei

#### *New Neutron Source FRM-II*

DA April 2, 2004  
USE FRM-II Reactor

#### **NICKEL 70**

DA January 24, 2005  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Even-Even Nuclei  
BT1 Intermediate Mass Nuclei  
BT1 Nickel Isotopes  
BT1 Seconds Living Radioisotopes

#### *Nigeria Miniature Neutron Source Reactor*

DA November 29, 2004  
USE NIRR-1 Reactor

#### **NIRR-1 REACTOR**

(Centre for Energy Research and Training (CERT), Ahmadu Bello Univ., Energy Commission, Zaria, Nigeria)  
DA November 29, 2004  
UF *Nigeria Miniature Neutron Source Reactor*  
BT1 MNSR Type Reactors

#### **NUNAVUT**

DA July 28, 2006  
BT1 Canada

#### **NUR REACTOR**

(Unite de Recherche en Genie Nucleaire (URGN), Draria, Algeria)  
DA February 10, 2005  
BT1 Enriched Uranium Reactors  
BT1 Pool Type Reactors  
BT1 Research Reactors  
BT1 Thermal Reactors

#### **OLKILUOTO-3 REACTOR**

(TVO, Olkiluoto (Halmholmen), Finland. The Framatome APN/Siemens AG European Pressurized Water Reactor (EPR))  
DA September 7, 2005  
UF *Teollisuuden Voima Oy-3 Reactor*  
UF *TVO-3 Reactor*  
UF *Olkiluoto (Halmholmen)-3 Reactor*  
BT1 PWR Type Reactors

#### *Olkiluoto (Halmholmen)-3 Reactor*

DA September 7, 2005  
USE Olkiluoto-3 Reactor

#### **OPAL REACTOR**

DA July 22, 2005  
UF *Australian Replacement Research Reactor*  
BT1 Enriched Uranium Reactors  
BT1 Experimental Reactors  
BT1 Isotope Production Reactors  
BT1 Pool Type Reactors  
BT1 Thermal Reactors

#### *Open-Circuit Voltage*

DA January 31, 2006  
USE Electric Potential

#### **ORSAY STORAGE RINGS**

(Prior to January 2005 ACO was used for this concept.)  
DA January 25, 2005  
UF *ACO*  
UF *Anneau de Collisions d'Orsay*  
UF *ACO (Anneau de Collisions d'Orsay)*  
BT1 Storage Rings

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## OUTDOORS

(Only for documents where this concept is significant. Consider also more specific descriptors such as ARCTIC REGIONS or one indicating the temperature range.)

DA November 2, 2004  
RT Ambient Temperature  
RT Climates  
RT Indoors

*Pakistan Miniature Neutron Source Reactor*

DA March 17, 2004  
USE PARR-2 Reactor

## PAKISTANI ORGANIZATIONS

DA March 31, 2004  
BT1 National Organizations

*PAN (Pyridylazonaphthol)*

(Prior to February 2005 PAN was a valid descriptor.)

DA February 1, 2005  
USE Pyridylazonaphthol

## PARAGUAYAN CNEA

(Comision Nacional de Energia Atomica.)

DA July 5, 2005  
UF CNEA (Paraguay)  
BT1 Paraguayan Organizations

## PARAGUAYAN ORGANIZATIONS

DA July 5, 2005  
BT1 National Organizations  
NT1 Paraguayan CNEA

*Paroxypropione*

(Prior to February 2005 POP was used for this concept.)

DA February 1, 2005  
USE Hydroxypropiofenone

## PARR-1 REACTOR

(Pakistan Atomic Energy Commission, Islamabad, Pakistan. Prior to March 2004 the descriptor PARR REACTOR was used for this reactor.)

DA March 17, 2004  
UF Islamabad Reactor Pakistan  
UF Pakistan Atomic Research Reactor  
UF PARR Reactor  
UF Rawalpindi Research Reactor  
BT1 Enriched Uranium Reactors  
BT1 Pool Type Reactors  
BT1 Research Reactors

## PARR-2 REACTOR

(Pakistan Atomic Energy Commission, Islamabad, Pakistan.)

DA March 17, 2004  
UF Pakistan Miniature Neutron Source Reactor  
BT1 MNSR Type Reactors

## PHOTOCATALYSIS

DA March 30, 2006  
BT1 Catalysis  
RT Catalysts

*Photoreactivating Enzyme*

DA September 16, 2004  
USE Enzymes  
AND Photoreactivation

## POLYVINYL ACETATE

DA February 22, 2005  
BT1 Acetic Acid Esters  
BT1 Polyvinyls

*POP (Paroxypropione)*

(Prior to February 2005 POP was a valid descriptor.)

DA February 1, 2005  
USE Hydroxypropiofenone

## PORTUGUESE ORGANIZATIONS

DA March 31, 2004  
BT1 National Organizations

## PRASEODYMIUM 125

DA December 14, 2004  
BT1 Electron Capture Radioisotopes  
BT1 Odd-Even Nuclei  
BT1 Praseodymium Isotopes  
BT1 Rare Earth Nuclei  
BT1 Seconds Living Radioisotopes

## PRIVATE VEHICLES

(Transportation means not available for general public use, for such vehicles see MASS TRANSIT SYSTEMS. Use also a more specific term from the word block of VEHICLES if appropriate.)

DA May 25, 2006  
BT1 Transportation Systems

*Probabilistic Safety Assessment*

DA December 29, 2003  
USE Probabilistic Estimation  
AND Risk Assessment

## PROMETHIUM 129

DA January 17, 2006  
BT1 Electron Capture Radioisotopes  
BT1 Odd-Even Nuclei  
BT1 Promethium Isotopes  
BT1 Rare Earth Nuclei  
BT1 Seconds Living Radioisotopes

*Public Transport*

DA August 16, 2004  
SEE Public Enterprises  
OR Transport

## PUR-1 REACTOR

(Purdue Univ., West Lafayette, Indiana, USA)

DA January 18, 2005  
BT1 Enriched Uranium Reactors  
BT1 Pool Type Reactors  
BT1 Thermal Reactors  
BT1 Training Reactors

## PYRIDYLZONAPHTHOL

(Prior to February 2005 PAN was used for this concept.)

DA February 1, 2005  
UF PAN  
UF Pyridineazohydroxynaphthalene  
UF PAN (Pyridylazonaphthol)  
BT1 Diazo Compounds  
BT1 Naphthols  
BT1 Pyridines

*Qbits*

DA September 30, 2005  
USE Qubits

*Quantum Bits*

DA September 30, 2005  
USE Qubits

## QUANTUM COMPUTERS

DA September 30, 2005  
UF Quantum Computing  
BT1 Computers  
RT Quantum Electronics  
RT Quantum Mechanics  
RT Quantum Information  
RT Quantum Entanglement  
DEF Devices for computation that make direct use of distinctively quantum mechanical phenomena, such as superposition and entanglement, to perform operations on data.

*Quantum Computing*

DA September 30, 2005  
USE Quantum Computers

## QUANTUM CRYPTOGRAPHY

DA October 31, 2005  
BT1 Cryptography  
RT Memory Devices  
RT Quantum Mechanics  
RT Qubits  
DEF Approach to making communications secure based on phenomena of quantum mechanics.

## QUANTUM DECOHERENCE

DA October 31, 2005  
RT Quantum Mechanics  
RT Quantum Entanglement

## QUANTUM ENTANGLEMENT

DA September 30, 2005  
RT Quantum Mechanics  
RT Quantum Numbers  
RT Quantum Teleportation  
RT Quantum Computers  
RT Quantum Decoherence  
RT Wave Functions  
DEF Quantum mechanical phenomenon in which the quantum states of two or more objects have to be described with reference to each other, even though the individual objects may be spatially separated.

## QUANTUM INFORMATION

DA September 30, 2005  
BT1 Information  
NT1 Qubits  
RT Entropy  
RT Information Theory  
RT Quantum Mechanics  
RT Quantum Teleportation  
RT Quantum Computers  
DEF Physical information that is held in the state of a quantum system.

## QUANTUM TELEPORTATION

DA September 30, 2005  
RT Data Transmission  
RT Quantum Mechanics  
RT Quantum Numbers  
RT Quantum Information  
RT Quantum Entanglement  
DEF Technique of quantum information science in which a quantum state is transferred to an arbitrarily distant location by using an entangled state and the transmission of some classical

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information.

#### **QUBITS**

DA September 30, 2005  
UF *Qbits*  
UF *Quantum Bits*  
BT1 Quantum Information  
RT Quantum Cryptography  
DEF Units of quantum information represented by the superposition of pairs of orthogonal base states in quantum systems.

#### **RAJASTHAN-5 REACTOR**

(Nuclear Power Corporation of India Ltd., Kota, Rajasthan, India)  
DA July 22, 2005  
BT1 PHWR Type Reactors  
BT1 Power Reactors  
BT1 Thermal Reactors

#### **RAJASTHAN-6 REACTOR**

(Nuclear Power Corporation of India Ltd., Kota, Rajasthan, India)  
DA July 22, 2005  
BT1 PHWR Type Reactors  
BT1 Power Reactors  
BT1 Thermal Reactors

*Reacteur Jules Horowitz*

DA February 10, 2005  
USE Jules Horowitz Reactor

#### **REACTOR ACCIDENT SIMULATION**

DA June 30, 2006  
BT1 Simulation  
RT Reactor Accidents  
RT Reactor Safety  
RT Hypothetical Accidents

#### **REDUNDANCY**

(Coordinate with specific descriptor for the system/organ/data that is redundant.)

DA February 17, 2004  
RT Biological Evolution  
RT Communications  
RT Computerized Control Systems  
RT Data  
RT Failure Mode Analysis  
RT Information Theory  
RT Reliability  
DEF The existence of more than one means in a system to accomplish a certain purpose, in order to increase reliability; e.g. parallel devices in an engineered system, multiple organs in a biological system, several copies of data in an information system.

*Residence Time Distribution*

DA May 26, 2005  
USE Distribution Functions  
AND Residence Half-Time

#### **REUNION ISLAND**

DA May 18, 2004  
BT1 France  
BT1 Islands  
RT Indian Ocean

#### → **RHODIUM 89**

DA October 6, 2006  
BT1 Electron Capture Radioisotopes  
BT1 Intermediate Mass Nuclei

BT1 Microseconds Living Radioisotopes  
BT1 Odd-Even Nuclei  
BT1 Rhodium Isotopes

#### **RHODIUM 90**

DA December 17, 2004  
BT1 Electron Capture Radioisotopes  
BT1 Intermediate Mass Nuclei  
BT1 Nanoseconds Living Radioisotopes  
BT1 Odd-Odd Nuclei  
BT1 Rhodium Isotopes  
BT1 Seconds Living Radioisotopes

#### **RHODIUM 91**

DA November 29, 2004  
BT1 Beta-Plus Decay Radioisotopes  
BT1 Electron Capture Radioisotopes  
BT1 Intermediate Mass Nuclei  
BT1 Nanoseconds Living Radioisotopes  
BT1 Odd-Even Nuclei  
BT1 Rhodium Isotopes  
BT1 Seconds Living Radioisotopes

#### **RHODIUM 93**

DA November 29, 2004  
BT1 Beta-Plus Decay Radioisotopes  
BT1 Electron Capture Radioisotopes  
BT1 Intermediate Mass Nuclei  
BT1 Odd-Even Nuclei  
BT1 Rhodium Isotopes  
BT1 Seconds Living Radioisotopes

*RJH Reactor*

DA February 15, 2005  
USE Jules Horowitz Reactor

#### **ROENTGENIUM**

(Prior to January 2006 ELEMENT 111 was used for this element.)

DA January 9, 2006  
UF *Eka-Gold*  
UF *Element 111*  
UF *Ununium*  
BT1 Transactinide Elements

#### **ROENTGENIUM 272**

(Prior to January 2006 ELEMENT 111 272 was used for this concept.)  
DA January 9, 2006  
UF *Element 111 272*  
BT1 Alpha Decay Radioisotopes  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Odd-Odd Nuclei  
BT1 Roentgenium Isotopes

#### **ROENTGENIUM 279**

DA January 9, 2006  
BT1 Alpha Decay Radioisotopes  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Odd-Even Nuclei  
BT1 Roentgenium Isotopes

#### **ROENTGENIUM 280**

DA January 9, 2006  
BT1 Alpha Decay Radioisotopes  
BT1 Heavy Nuclei  
BT1 Odd-Odd Nuclei  
BT1 Roentgenium Isotopes  
BT1 Seconds Living Radioisotopes

#### **ROENTGENIUM COMPOUNDS**

(Prior to January 2006 ELEMENT 111 COMPOUNDS was used for this concept.)

DA January 9, 2006  
UF *Element 111 Compounds*  
BT1 Transactinide Compounds

#### **ROENTGENIUM ISOTOPES**

(Prior to January 2006 ELEMENT 111 ISOTOPES was used for this concept.)  
DA January 9, 2006  
UF *Element 111 Isotopes*  
BT1 Isotopes  
NT1 Roentgenium 272  
NT1 Roentgenium 279  
NT1 Roentgenium 280

#### **ROKKASHO REPROCESSING PLANT**

DA April 20, 2006  
BT1 Fuel Reprocessing Plants

#### **RUTHERFORDIUM**

(Prior to March 2004 ELEMENT 104 was used for this element.)

DA March 15, 2004  
UF *Eka-Hafnium*  
UF *Element 104*  
UF *Kurchatovium*  
UF *Unnilquadium*  
BT1 Transactinide Elements

#### **RUTHERFORDIUM 253**

(Prior to March 2004 ELEMENT 104 253 was used for this concept.)  
DA March 15, 2004  
UF *Element 104 253*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Heavy Nuclei  
BT1 Microseconds Living Radioisotopes  
BT1 Rutherfordium Isotopes  
BT1 Seconds Living Radioisotopes  
BT1 Spontaneous Fission Radioisotopes

#### **RUTHERFORDIUM 254**

(Prior to March 2004 ELEMENT 104 254 was used for this concept.)  
DA March 15, 2004  
UF *Element 104 254*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Even Nuclei  
BT1 Heavy Nuclei  
BT1 Microseconds Living Radioisotopes  
BT1 Milliseconds Living Radioisotopes  
BT1 Rutherfordium Isotopes  
BT1 Spontaneous Fission Radioisotopes

#### **RUTHERFORDIUM 255**

(Prior to March 2004 ELEMENT 104 255 was used for this concept.)  
DA March 15, 2004  
UF *Element 104 255*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Heavy Nuclei  
BT1 Rutherfordium Isotopes  
BT1 Seconds Living Radioisotopes  
BT1 Spontaneous Fission Radioisotopes

#### **RUTHERFORDIUM 256**

(Prior to March 2004 ELEMENT 104 256 was used for this concept.)  
DA March 15, 2004  
UF *Element 104 256*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Even Nuclei  
BT1 Heavy Nuclei

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BT1 Milliseconds Living Radioisotopes  
BT1 Rutherfordium Isotopes  
BT1 Spontaneous Fission Radioisotopes

#### **RUTHERFORDIUM 257**

(Prior to March 2004 ELEMENT 104 257 was used for this concept.)

DA March 15, 2004  
UF *Element 104 257*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Heavy Nuclei  
BT1 Rutherfordium Isotopes  
BT1 Seconds Living Radioisotopes  
BT1 Spontaneous Fission Radioisotopes

#### **RUTHERFORDIUM 258**

(Prior to March 2004 ELEMENT 104 258 was used for this concept.)

DA March 16, 2004  
UF *Element 104 258*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Even Nuclei  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Rutherfordium Isotopes  
BT1 Spontaneous Fission Radioisotopes

#### **RUTHERFORDIUM 259**

(Prior to March 2004 ELEMENT 104 259 was used for this concept.)

DA March 16, 2004  
UF *Element 104 259*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Heavy Nuclei  
BT1 Rutherfordium Isotopes  
BT1 Seconds Living Radioisotopes  
BT1 Spontaneous Fission Radioisotopes

#### **RUTHERFORDIUM 260**

(Prior to March 2004 ELEMENT 104 260 was used for this concept.)

DA March 16, 2004  
UF *Element 104 260*  
BT1 Even-Even Nuclei  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Rutherfordium Isotopes  
BT1 Spontaneous Fission Radioisotopes

#### **RUTHERFORDIUM 261**

(Prior to March 2004 ELEMENT 104 261 was used for this concept.)

DA March 16, 2004  
UF *Element 104 261*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Heavy Nuclei  
BT1 Minutes Living Radioisotopes  
BT1 Rutherfordium Isotopes  
BT1 Spontaneous Fission Radioisotopes

#### **RUTHERFORDIUM 262**

(Prior to March 2004 ELEMENT 104 262 was used for this concept.)

DA March 16, 2004  
UF *Element 104 262*  
BT1 Even-Even Nuclei  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Rutherfordium Isotopes  
BT1 Seconds Living Radioisotopes  
BT1 Spontaneous Fission Radioisotopes

#### **RUTHERFORDIUM 263**

(Prior to March 2004 ELEMENT 104 263 was used for this concept.)

DA March 16, 2004  
UF *Element 104 263*  
BT1 Even-Odd Nuclei  
BT1 Heavy Nuclei  
BT1 Minutes Living Radioisotopes  
BT1 Rutherfordium Isotopes  
BT1 Spontaneous Fission Radioisotopes

#### **RUTHERFORDIUM CHLORIDES**

(Prior to March 2004 ELEMENT 104 CHLORIDES was used for this concept.)

DA March 16, 2004  
UF *Element 104 Chlorides*  
BT1 Chlorides  
BT1 Rutherfordium Compounds

#### **RUTHERFORDIUM COMPLEXES**

(Prior to March 2004 ELEMENT 104 COMPLEXES was used for this concept.)

DA March 16, 2004  
UF *Element 104 Complexes*  
BT1 Complexes

#### **RUTHERFORDIUM COMPOUNDS**

(Prior to March 2004 ELEMENT 104 COMPOUNDS was used for this concept.)

DA March 16, 2004  
UF *Element 104 Compounds*  
BT1 Transactinide Compounds  
NT1 Rutherfordium Chlorides

#### **RUTHERFORDIUM ISOTOPES**

(Prior to March 2004 ELEMENT 104 ISOTOPES was used for this concept.)

DA March 15, 2004  
UF *Element 104 Isotopes*  
BT1 Isotopes  
NT1 Rutherfordium 253  
NT1 Rutherfordium 254  
NT1 Rutherfordium 255  
NT1 Rutherfordium 256  
NT1 Rutherfordium 257  
NT1 Rutherfordium 258  
NT1 Rutherfordium 259  
NT1 Rutherfordium 260  
NT1 Rutherfordium 261  
NT1 Rutherfordium 262  
NT1 Rutherfordium 263

#### **SAFETY MARGINS**

DA December 1, 2004  
RT Engineered Safety Systems  
RT Reactor Safety  
RT Reliability  
RT Risk Assessment  
RT Safety Engineering  
RT Safety Standards  
DEF Differences between ordinary safe operating conditions and the conditions where the device or component will fail.

#### *SAP (Sintered Aluminium Powders)*

(Prior to February 2005 SAP was a valid descriptor.)

DA February 1, 2005  
USE Sintered Aluminium Powders

#### **SCANDIUM 57**

DA March 10, 2005  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Intermediate Mass Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Odd-Even Nuclei  
BT1 Scandium Isotopes

#### **SCANDIUM 58**

DA March 10, 2005  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Intermediate Mass Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Odd-Odd Nuclei  
BT1 Scandium Isotopes

#### **SEABORGIUM**

(Prior to March 2004 ELEMENT 106 was used for this element.)

DA March 24, 2004  
UF *Eka-Tungsten*  
UF *Element 106*  
UF *Unnilhexium*  
BT1 Transactinide Elements

#### **SEABORGIUM 259**

(Prior to March 2004 ELEMENT 106 259 was used for this concept.)

DA March 24, 2004  
UF *Element 106 259*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Seaborgium Isotopes  
BT1 Spontaneous Fission Radioisotopes

#### **SEABORGIUM 260**

(Prior to March 2004 ELEMENT 106 260 was used for this concept.)

DA March 24, 2004  
UF *Element 106 260*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Even Nuclei  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Seaborgium Isotopes  
BT1 Spontaneous Fission Radioisotopes

#### **SEABORGIUM 261**

(Prior to March 2004 ELEMENT 106 261 was used for this concept.)

DA March 24, 2004  
UF *Element 106 261*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Seaborgium Isotopes  
BT1 Spontaneous Fission Radioisotopes

#### **SEABORGIUM 262**

(Prior to March 2004 ELEMENT 106 262 was used for this concept.)

DA March 24, 2004  
UF *Element 106 262*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Even Nuclei  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Seaborgium Isotopes  
BT1 Spontaneous Fission Radioisotopes

#### **SEABORGIUM 263**

(Prior to March 2004 ELEMENT 106 263 was used for this concept.)



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DA March 24, 2004  
UF *Element 106 263*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Heavy Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Seaborgium Isotopes  
BT1 Spontaneous Fission Radioisotopes

#### SEABORGIUM 265

(Prior to March 2004 ELEMENT 106 265 was used for this concept.)  
DA March 24, 2004  
UF *Element 106 265*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Heavy Nuclei  
BT1 Seaborgium Isotopes  
BT1 Seconds Living Radioisotopes  
BT1 Spontaneous Fission Radioisotopes

#### SEABORGIUM 266

(Prior to March 2004 ELEMENT 106 266 was used for this concept.)  
DA March 24, 2004  
UF *Element 106 266*  
BT1 Alpha Decay Radioisotopes  
BT1 Even-Even Nuclei  
BT1 Heavy Nuclei  
BT1 Seaborgium Isotopes  
BT1 Seconds Living Radioisotopes  
BT1 Spontaneous Fission Radioisotopes

#### SEABORGIUM COMPOUNDS

(Prior to March 2004 ELEMENT 106 COMPOUNDS was used for this concept.)  
DA March 24, 2004  
UF *Element 106 Compounds*  
BT1 Transactinide Compounds

#### SEABORGIUM ISOTOPES

(Prior to March 2004 ELEMENT 106 ISOTOPES was used for this concept.)  
DA March 24, 2004  
UF *Element 106 Isotopes*  
BT1 Isotopes  
NT1 Seaborgium 259  
NT1 Seaborgium 260  
NT1 Seaborgium 261  
NT1 Seaborgium 262  
NT1 Seaborgium 263  
NT1 Seaborgium 265  
NT1 Seaborgium 266

#### Self-Learning Systems

DA June 1, 2004  
USE Adaptive Systems

#### Sequestration (Carbon Oxides)

DA January 15, 2004  
USE Carbon Sequestration

#### SERBIA AND MONTENEGRO

(From 1992 till March 2004 YUGOSLAVIA was used for this concept.)  
DA March 10, 2004  
SF *Yugoslavia*  
BT1 Developing Countries  
BT1 Eastern Europe  
RT Danube River

#### Servers (Computers)

DA May 26, 2005  
USE Computers

#### Shandong Miniature Neutron Source Reactor

DA March 17, 2004  
USE MNSR-SD Reactor

#### Shanghai Miniature Neutron Source Reactor

DA March 17, 2004  
USE MNSR-SH Reactor

#### Shenzen Miniature Neutron Source Reactor

DA March 17, 2004  
USE MNSR-SZ Reactor

#### SI MICROSTRIP DETECTORS

DA July 8, 2004  
BT1 Si Semiconductor Detectors

#### Sino UNltd Spherical Tokamak

DA July 27, 2006  
USE SUNIST Spheromak

#### SINTERED ALUMINIUM POWDERS

(Prior to February 2005 SAP was used for this concept.)  
DA February 1, 2005  
UF *SAP*  
UF *SAP (Sintered Aluminium Powders)*  
BT1 Sintered Materials  
RT Aluminium

#### Skyscrapers

DA June 1, 2005  
USE High-Rise Buildings

#### SLOVENIAN ORGANIZATIONS

DA March 31, 2004  
BT1 National Organizations

#### SO-5 GROUPS

DA May 19, 2006  
BT1 SO Groups

#### Societal Costs

DA September 13, 2004  
SEE External Cost

#### SOLAR PHOTOCHEMISTRY

DA May 26, 2005  
BT1 Photochemistry  
RT Photochemical Energy Storage  
RT Solar Radiation

#### SOULTZ-SOUS-FORETS GEOTHERMAL FIELD

(Bas-Rhin, France)  
DA February 22, 2005  
BT1 Geothermal Fields  
RT France

#### Space Cooling

DA March 30, 2006  
USE Air Conditioning

#### SPORT FACILITIES

DA September 14, 2004  
UF *Facilities (Sport)*  
RT Buildings  
RT Recreational Areas

#### SRR-1 REACTOR

(Atomic Energy Commission, Damascus, Syria.)  
DA March 17, 2004  
UF *Syrian Miniature Neutron Source Reactor*  
BT1 MNSR Type Reactors

#### STANDBY MODE

DA May 12, 2004  
RT Electrical Equipment  
RT Electronic Equipment  
RT Operation  
RT Start-Up

#### Stepper Motors

DA June 30, 2006  
SEE Electric Motors  
DEF Electric motors which turn through a certain angle, e.g. 90 deg, when a pulsed signal is applied.

#### SUNIST SPHEROMAK

(Department of Engineering Physics, Tsinghua University, and Institute of Physics, China Academy of Science, Beijing, China)  
DA July 27, 2006  
UF *Sino UNltd Spherical Tokamak*  
BT1 Spheromak Devices

#### Supercapacitors

DA July 5, 2005  
SEE Capacitive Energy Storage Equipment

#### Syrian Miniature Neutron Source Reactor

DA March 17, 2004  
USE SRR-1 Reactor

#### SYRIAN ORGANIZATIONS

DA March 31, 2004  
BT1 National Organizations

#### TARAPUR-3 REACTOR

(Nuclear Power Corporation of India Ltd., Boisar, Maharashtra, India)  
DA July 22, 2005  
BT1 PHWR Type Reactors  
BT1 Power Reactors  
BT1 Thermal Reactors

#### TARAPUR-4 REACTOR

(Nuclear Power Corporation of India Ltd., Boisar, Maharashtra, India)  
DA July 22, 2005  
BT1 PHWR Type Reactors  
BT1 Power Reactors  
BT1 Thermal Reactors

#### TBPO (Tributylphosphine Oxide)

(Prior to February 2005 TBPO was a valid descriptor.)  
DA February 1, 2005  
USE Tributylphosphine Oxide

#### TCABR TOKAMAK

(Tokamak Chauffage Alfven, Institute of Physics, University of Sao Paulo, Brazil)  
DA July 8, 2004  
UF *Tokamak Chauffage Alfven (Brazil)*  
BT1 Tokamak Devices

#### TEL (Tetraethyl Lead)

(Prior to February 2005 TEL was a valid descriptor.)  
DA February 1, 2005

October 6, 2006

USE Tetraethyl Lead

*Teollisuuden Voima Oy-3 Reactor*

DA September 7, 2005

USE Olkiluoto-3 Reactor

#### TETRAETHYL LEAD

(Prior to February 2005 TEL was used for this concept.)

DA February 1, 2005

UF *TEL*

UF *TEL (Tetraethyl Lead)*

BT1 Lead Compounds

BT1 Organometallic Compounds

RT Fuel Additives

#### TETRATHIAFULVALENE

(Prior to February 2005 TTF was used for this concept.)

DA February 1, 2005

UF *TTF*

UF *TTF (Tetrathiafulvalene)*

BT1 Heterocyclic Compounds

BT1 Organic Sulfur Compounds

#### THAI ORGANIZATIONS

DA March 31, 2004

BT1 National Organizations

#### THERMAL BRIDGES

DA July 5, 2005

RT Building Materials

RT Heat Gain

RT Heat Losses

RT Thermal Conduction

RT Thermal Insulation

DEF Pathways, usually undesirable, through which heat is transferred much more readily than through adjacent materials.

*Thermally Active Structural Components*

(Use a descriptor for the specific structural component, e.g. FLOORS, FOUNDATIONS, WALLS, and one or more of the descriptors below.)

DA December 19, 2005

SEE Cooling Systems

OR Heating Systems

OR Space HVAC Systems

#### THIRD-PARTY USE

DA September 17, 2004

BT1 Uses

RT Agreements

RT Contracts

RT Leasing

#### THULIUM 144

DA November 22, 2005

BT1 Microseconds Living Radioisotopes

BT1 Odd-Odd Nuclei

BT1 Proton Decay Radioisotopes

BT1 Rare Earth Nuclei

BT1 Thulium Isotopes

#### TIN 135

DA December 14, 2004

BT1 Beta-Minus Decay Radioisotopes

BT1 Even-Odd Nuclei

BT1 Intermediate Mass Nuclei

BT1 Milliseconds Living Radioisotopes

BT1 Tin Isotopes

#### TIN 137

DA December 14, 2004

BT1 Beta-Minus Decay Radioisotopes

BT1 Even-Odd Nuclei

BT1 Intermediate Mass Nuclei

BT1 Milliseconds Living Radioisotopes

BT1 Tin Isotopes

#### TITANIUM 58

DA March 10, 2005

BT1 Beta-Minus Decay Radioisotopes

BT1 Even-Even Nuclei

BT1 Intermediate Mass Nuclei

BT1 Milliseconds Living Radioisotopes

BT1 Nanoseconds Living Radioisotopes

BT1 Titanium Isotopes

#### TITANIUM 59

DA March 10, 2005

BT1 Beta-Minus Decay Radioisotopes

BT1 Even-Odd Nuclei

BT1 Intermediate Mass Nuclei

BT1 Milliseconds Living Radioisotopes

BT1 Nanoseconds Living Radioisotopes

BT1 Titanium Isotopes

#### TITANIUM 60

DA March 10, 2005

BT1 Beta-Minus Decay Radioisotopes

BT1 Even-Even Nuclei

BT1 Intermediate Mass Nuclei

BT1 Milliseconds Living Radioisotopes

BT1 Titanium Isotopes

*TOA (Trioctylamine)*

(Prior to February 2005 TOA was a valid descriptor.)

DA February 1, 2005

USE Trioctylamine

#### TOKAI REPROCESSING PLANT

DA April 20, 2006

BT1 Fuel Reprocessing Plants

*Tokamak Chauffage Alfvén (Brazil)*

DA July 12, 2004

USE TCABR Tokamak

*TOPO (Trioctylphosphine Oxide)*

(Prior to February 2005 TOPO was a valid descriptor.)

DA February 1, 2005

USE Trioctylphosphine Oxide

*TOPS (Trioctylphosphine Sulfide)*

(Prior to February 2005 TOPS was a valid descriptor.)

DA February 1, 2005

USE Trioctylphosphine Sulfide

*TPO (Triphenylphosphine Oxide)*

(Prior to February 2005 TPO was a valid descriptor.)

DA February 1, 2005

USE Triphenylphosphine Oxide

#### TRANSACTINIDE COMPOUNDS

(Prior to March 2004 ELEMENT 104 COMPOUNDS + TRANS 104 ELEMENT COMPOUNDS was used for these compounds.)

DA March 15, 2004

UF *Trans 104 Element Compounds*

BT1 Transplutonium Compounds

NT1 Bohrium Compounds

NT1 Darmstadtium Compounds

NT1 Dubnium Compounds

NT1 Element 113 Compounds

NT1 Element 114 Compounds

NT1 Element 112 Compounds

NT1 Hassium Compounds

NT1 Rutherfordium Compounds

NT1 Seaborgium Compounds

NT1 Roentgenium Compounds

#### TRANSACTINIDE ELEMENTS

(Prior to March 2004 ELEMENT 104 + TRANS 104 ELEMENTS was used for these elements.)

DA March 15, 2004

UF *Superheavy Elements*

UF *Trans 104 Elements*

UF *Transactinides*

BT1 Transplutonium Elements

NT1 Bohrium

NT1 Darmstadtium

NT1 Dubnium

NT1 Element 112

NT1 Element 113

NT1 Element 114

NT1 Element 115

NT1 Element 116

NT1 Element 117

NT1 Element 118

NT1 Element 119

NT1 Element 120

NT1 Element 126

NT1 Element 128

NT1 Element 134

NT1 Element 145

NT1 Element 164

NT1 Element 173

NT1 Hassium

NT1 Meitnerium

NT1 Rutherfordium

NT1 Seaborgium

NT1 Roentgenium

DEF Elements with Z > 103.

*Transactinides*

DA March 15, 2004

USE Transactinide Elements

#### TRIBUTYLPHOSPHINE OXIDE

(Prior to February 2005 TBPO was used for this concept.)

DA February 1, 2005

UF *TBPO*

UF *TBPO (Tributylphosphine Oxide)*

BT1 Organic Phosphorus Compounds

BT1 Phosphine Oxides

#### TRIOCTYLAMINE

(Prior to February 2005 TOA was used for this concept.)

DA February 1, 2005

UF *TOA*

UF *TOA (Trioctylamine)*

BT1 Amines

BT1 Chelating Agents

#### TRIOCTYLPHOSPHINE OXIDE

(Prior to February 2005 TOPO was used for this concept.)

DA February 1, 2005

UF *TOPO*

UF *TOPO (Trioctylphosphine Oxide)*

BT1 Organic Phosphorus Compounds

BT1 Phosphine Oxides

October 6, 2006

**TRIOCTYLPHOSPHINE SULFIDE**

(Prior to February 2005 TOPS was used for this concept.)

DA February 1, 2005  
UF *TOPS*  
UF *TOPS (Trioctylphosphine Sulfide)*  
BT1 Organic Phosphorus Compounds  
BT1 Organic Sulfur Compounds

**TRIPHENYLPHOSPHINE OXIDE**

(Prior to February 2005 TPO was used for this concept.)

DA February 1, 2005  
UF *TPO*  
UF *TPO (Triphenylphosphine Oxide)*  
BT1 Organic Phosphorus Compounds  
BT1 Phosphine Oxides

*Trolleybuses*

DA April 19, 2005  
USE Buses  
AND Electric-Powered Vehicles  
AND Trackless Vehicles

*TTF (Tetrathiafulvalene)*

(Prior to February 2005 TTF was a valid descriptor.)

DA February 1, 2005  
USE Tetrathiafulvalene

**TUNISIAN ORGANIZATIONS**

DA March 31, 2004  
BT1 National Organizations

*TVO-3 Reactor*

DA September 7, 2005  
USE Olkiluoto-3 Reactor

*UDPG*

(Prior to February 2005 UDPG was a valid descriptor.)

DA February 1, 2005  
USE Uridine Diphosphoglucose

*UDPG (Uridine Diphosphoglucose)*

(Prior to February 2005 UDPG was a valid descriptor.)

DA February 1, 2005  
USE Uridine Diphosphoglucose

**UNDP**

DA January 25, 2006  
UF *United Nations Development Program*  
BT1 International Organizations  
RT United Nations

**UNINTERRUPTIBLE POWER SUPPLIES**

DA August 23, 2006  
UF *UPS*  
BT1 Power Supplies

*United Nations Development Program*

DA January 25, 2006  
USE UNDP

*United Nations Institute for Disarmament Research*

DA January 30, 2006  
USE UNIDIR

*UPS*

DA August 23, 2006  
USE Uninterruptible Power Supplies

**URANIUM 241**

DA July 15, 2004  
BT1 Actinide Nuclei  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Minutes Living Radioisotopes  
BT1 Uranium Isotopes

**URANIUM-MOLYBDENUM FUELS**

DA January 15, 2004  
BT1 Alloy Nuclear Fuels

**URIDINE DIPHOSPHOGLUCOSE**

(Prior to February 2005 UDPG was used for this concept.)

DA February 1, 2005  
UF *UDPG (Uridine Diphosphoglucose)*  
UF *UDPG*  
BT1 Glycosides  
BT1 Nucleotides  
BT1 Organic Phosphorus Compounds  
RT Glucose  
RT Uracils  
RT Uridine

**UZBEK ORGANIZATIONS**

DA March 31, 2004  
BT1 National Organizations

*Vacuum Insulation Panels*

DA May 12, 2006  
USE Thermal Insulation  
AND Pressure Range Pa

**VANADIUM 61**

DA March 11, 2005  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Intermediate Mass Nuclei  
BT1 Nanoseconds Living Radioisotopes  
BT1 Odd-Even Nuclei  
BT1 Vanadium Isotopes

**VANADIUM 62**

DA March 11, 2005  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Intermediate Mass Nuclei  
BT1 Nanoseconds Living Radioisotopes  
BT1 Odd-Odd Nuclei  
BT1 Vanadium Isotopes

**VANADIUM 63**

DA March 11, 2005  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Intermediate Mass Nuclei  
BT1 Nanoseconds Living Radioisotopes  
BT1 Odd-Even Nuclei  
BT1 Vanadium Isotopes

**VERNACULAR ARCHITECTURE**

DA June 1, 2005  
BT1 Architecture  
RT Building Codes  
RT Construction  
RT Energy Conservation  
RT Site Selection  
DEF Approach based on traditional methods which are especially suitable for the locality.

**VINYL ACETATE**

DA February 22, 2005  
BT1 Acetic Acid Esters  
RT Vinyl Monomers

**WASTE INCINERATORS**

DA February 10, 2004  
BT1 Incinerators  
BT1 Waste Processing Plants

**WATER COOLERS**

DA April 19, 2005  
BT1 Appliances  
BT1 Heat Exchangers  
RT Cooling  
RT Drinking Water  
RT Refrigerators

**WINDOW FRAMES**

DA October 29, 2004  
RT Buildings  
RT Windows

*Wood Pellets*

DA September 13, 2004  
USE Pellets  
AND Wood Fuels

*WWR-Libyan Reactor*

DA January 24, 2005  
USE IRT-1 Libya Reactor

*Zero-Emission Vehicles*

DA July 5, 2005  
USE Low-Emission Vehicles

→ **ZIRCONIUM 105**

DA September 1, 2006  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Intermediate Mass Nuclei  
BT1 Milliseconds Living Radioisotopes  
BT1 Zirconium Isotopes

→ **ZIRCONIUM 109**

DA October 6, 2006  
BT1 Beta-Minus Decay Radioisotopes  
BT1 Even-Odd Nuclei  
BT1 Intermediate Mass Nuclei  
BT1 Nanoseconds Living Radioisotopes  
BT1 Zirconium Isotopes