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# **UNBIS THESAURUS**

UNITED NATIONS



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UNITED NATIONS BIBLIOGRAPHIC INFORMATION SYSTEM (UNBIS)

## **UNBIS THESAURUS**

List of terms used in indexing and cataloguing of documents and other materials relevant to United Nations programmes and activities



### Preface

The construction of the UNBIS Thesaurus completes a major phase in the development of the United Nations Bibliographic Information System, UNBIS. As the principal information search and retrieval tool, the Thesaurus aims at:

- a. Providing a consolidated list of terms and modifiers suitable for subject analysis in bibliographic activities throughout the United Nations;
- b. Ensuring clarity and simplicity in subject headings based on contemporary usage while allowing for expansion in a consistent manner;
- c. Establishing compatibility and alignment with thesauri used within the United Nations system of organizations in order to facilitate the creation of an indexing vocabulary suitable for international documentation.

In the development of the Thesaurus, the primary thrust was toward co-ordination and compatibility. A second, but not less important goal was the unification of indexing and cataloguing concepts within UNBIS and its sub-systems. To this end, the Library used the classification scheme developed by the Administrative Committee on Co-ordination (ACC), which reflects the programmes and activities of all United Nations organizations, for the arrangement of the Thesaurus. However, the ACC programme classification was modified in order to accommodate the needs of UNBIS. In addition, the Library participated fully in the Inter-Organization Board for Information Systems' (IOB) efforts in compiling the list of *Broad Terms for United Nations Programmes and Activities*. While subject headings from the *Broad Terms* were incorporated into the Thesaurus, the preponderance of terms was drawn from subject headings found in the Dag Hammarskjold Library's public catalogue, its document catalogue and in the UNDEX and UNDOC published subject indexes.

The Thesaurus links the UNBIS data bases generated from input of a.) United Nations documents and publications, b.) external (non-UN) materials received from governmental or commercial sources, and c.) sub-systems which are either operational or under development at Headquarters in New York, at the Geneva Library and at the libraries of the regional commissions.

In the process, the UNBIS Thesaurus has become more than an essential tool for harmonization and maintenance of terminological control for input and retrieval of information from the system. It also provides in both printed form and in an on-line mode, a frame of reference for the researcher exploring United Nations documentation. It reveals the scope, breadth and language of United Nations activities. The Thesaurus structure, via the categorization scheme, term relationships, hierarchies and scope notes, serves as a vehicle for structuring reference requests dealing, on the one hand, with the parliamentary literature of the United Nations and reports of special committees, agencies and programme oriented conferences, and, on the other hand, with commercially published literature in serial and monographic form.

It is essential to view a thesaurus as a work "in process". This is particularly true of a first edition. The Library is aware of the need for testing and critical examination of the work and calls for review and response to any ommissions, redundancies or errors that may exist. The initial publication will be in English only. However, a revised edition containing French and Spanish equivalents to the main terms will follow and will incorporate suggestions made in response to the initial printing. Subsequently, separate French and Spanish editions will be issued. Translation into Arabic, Chinese and Russian is dependent upon computer capability to handle entries in these languages.

While the efforts of the UNBIS Thesaurus Group are worthy of mention, a special note of appreciation should be directed to the consultant, Mrs. Rochelle Field and to Ms. Phyllis Dickstein, leader of the Group, for their excellent work. Thanks are also due to the systems staff of the Electronic Data Processing and Information Systems Division for their generous co-operation and advice in preparing the Thesaurus programmes.

### List of Abbreviations

#### I - General

ACC Administrative Committee on Co-ordination

ILO International Labour Organisation

IOB Inter-Organization Board for Information Systems

KWOC Keyword out of context

OECD Organisation for Economic Co-operation and

Development

SPINES Science and Technology Policies Information Exchange

System (UNESCO)

UNBIS United Nations Bibliographic Information System

UNDEX United Nations Documents Index

UNDOC United Nations Documents Index

UNESCO United Nations Educational, Scientific and Cultural

Organization

#### II - Thesaurus entry abbreviations

BT: Broader term(s)

NT: Narrower term(s)

RT: Related term(s)

SN: Scope note

UF: Used for

TT: Top term

### Introduction

#### Organization

The Thesaurus is multidisciplinary in scope, reflecting the complex nature of the programmes and activities of the United Nations. Among the subjects covered are: political affairs and international relations, disarmament, international trade, economic and social development, agriculture, education, employment, health, housing, industry, science, social issues and technology.

While all of the major thesauri of the United Nations system were examined thoroughly, a wide array of other thesauri, encyclopedias and dictionaries were also consulted. (A bibliography of reference sources in appended). In selecting a preferred term among synonyms and quasi-synonyms, preference was usually given to the thesaurus that represented the greatest expertise in the specific subject area. Thus, the OECD Macrothesaurus served as the guide in economics and related fields, the UNESCO Thesaurus was used for education and culture, the SPINES Thesaurus was of invaluable assistance for science and technology and the ILO Thesaurus yielded terms in labour and employment; the *Medical Subject Headings* of the U.S. National Library of Medicine served as the major reference source in the area of health. It is hoped that other organizations in the United Nations system will undertake a similar alignment for terms in their thesauri and in this way contribute to the establishment of an interorganization indexing vocabulary.

The Dag Hammarskjold Library's sizeable collection of legal materials is reflected in the Thesaurus subcategories devoted to national and international law, international trade law and law of the sea. Library of Congress subject headings and United Nations legal texts provided guidelines for these subcategories, which were also reviewed by the Library's legal reference experts. Proper names as such have been excluded from the Thesaurus. However, selected intergovernmental organizations have been included in order to assist the reader in his queries. For each intergovernmental organization listed in the Thesaurus, component member States are identified.

The Thesaurus has been arranged in five sections: 1) an alphabetic list, 2) a list of modifiers, 3) a categorized list of terms, 4) a hierarchical list of terms, and 5) a KWOC (Keyword out of context) index.

The alphabetic section displays each term in its complete configuration which includes scope notes, "use" or "used for" references, as well as broader, narrower and related terms. The descriptor configuration includes, in addition to the immediately broader term, the top of the hierarchy to which a term belongs. This feature serves as a key to the hierarchical list of terms.

e.g. Physics

BT: Physical sciences

TT: Science and technology

All cross references, with the exception of the top term, are reciprocal:

- 1. For each broader term there is a narrower term
- 2. For each related term there is a reciprocally related term
- 3. For each "use" reference there is a "used for" reference.

The list of modifiers incorporates most of the IOB "general and administrative terms" and the Library of Congress subdivisions needed in cataloguing as well as the modifiers essential to indexing of United Nations documents.

The categorized display identifies the subcategories by title and displays all terms contained in that subcategory in alphabetical order. Most term relationships are not shown; however, scope notes and "use" references are included.

The hierarchical list indicates, in descending sequence, the array of terms considered conceptually narrower than the top term of each hierarchy. Not all terms in the Thesaurus appear in the hierarchies since broader terms were not automatically assigned to each term.

The KWOC display provides an index to the alphabetic and categorized sections of the Thesaurus. In this list, each descriptor phrase or term is listed alphabetically according to each word in the phrase so that "environmental impact assessment", for example, will appear in the KWOC list three times, once under each word in the phrase. The number of the category in which the term appears is also displayed.

Geographic descriptors, organizational names and modifiers did not receive the same type of source coding as the topical descriptors. United Nations sources were the primary authority for these terms.

#### Style

The descriptors consist of single word or multiword terms in the plural noun form. Abbreviations and acronyms were not used as preferred terms unless a particular abbreviation or acronym had gained general acceptance through usage.

e.g. LSD UF: Lysergic acid diethylamide

Natural word order was preferred to inverted word order and parenthetical qualifiers were used sparingly. The use of punctuation was minimal, and United Nations spelling conventions were followed.

In most cases, near and quasi-synonyms were posted to preferred terms in order to prevent ambiguities in indexing and retrieval. In addition, specific terms were occasionally posted to more inclusive concepts when the needs of UNBIS did not warrant differentiation between the concepts in question.

e.g. Agricultural pests
USE: Pests
Greenbelts
USE: Open spaces

Other systems using the UNBIS Thesaurus may wish to expand certain categories by giving full term status to nonpreferred terms of this type as well as by including as many additional specialized terms as may be needed.

#### **New Terms**

An UNBIS Thesaurus Committee is scheduled to meet regularly to evaluate proposed terms, determine if they are truly required and indicate the appropriate category assignment, relationships, etc. The computer programmes for the Thesaurus permit frequent updating and contain editing procedures as well as procedures for establishing reciprocal relationships.

#### **Deletion of descriptors**

Annual frequency counts will display a term's usage. The record format contains a field for a history note so that indication can be made in subsequent editions when a term is dropped or altered or an alternative term is added in its place.

#### Term Relationships

"Broader" and "narrower" relationships were established quite rigorously. However, in the case of "related terms", particularly outside the realm of the hard sciences, an attempt was made to suggest a wide variety of relationships.

#### Co-ordination of topical descriptors

1. Topical descriptor and corporate body or proper name

The corporate body appears first.

e.g. North Atlantic Treaty Organization:
organizational change
Economic Commission for Europe: treaties

2. Country names and topical descriptors

Subject headings containing place names are entered in the system and stored with the topical descriptor first. The computer programmes have been designed to reverse the subject headings in the printed indexes so that they appear twice.

- e.g. Uganda: economic projections Economic projections: Uganda Africa: development planning Development planning: Africa
- 3. Subject headings of two or more topical descriptors
  - a. When the subject headings represents a person, object, field of study, etc. and a related action or process, the process descriptor should be placed in the secondary position.
    - e.g. Aging persons: social planning
      Commodities: price indexes
      Industrial development: mathematical models
      Transnational corporations: tax credits
      Vegetables: export promotion
      Exiles: political opposition
  - b. If the descriptors are of equal weight, place the specific term before the more general descriptor.
    - e.g. Mass communication: social development

#### **Modifiers**

In a subject heading, modifiers normally appear last, and may modify a topical descriptor, a place name, a corporate body or a proper name. If the modifier appears after a place name, the entry is not reversed.

e.g. Puerto Rico: status

The list of modifiers can be characterized as containing one of six possible characteristics:

1. Modifiers that imply a process relevant to a topical descriptor

e.g. Remote sensing: agricultural applications Space technology: industrial applications

2. Modifiers which amplify topical descriptors, place names and/or corporate bodies

e.g. Narcotic drugs: illicit traffic
United Nations: host country relations

3. Modifiers which must be preceded by a corporate body or country name as the main heading and followed by a country name or corporate name in the prepositional modifier phrase

e.g. admission to...
participation in...
representation of...

i.e. Zimbabwe: admission to UN
Palestine Liberation Organization: participation
in SC

4. Modifiers which clarify a corporate body entry and may or may not be followed by a comma and date (or, occasionally, ordinal number). These terms are followed by three dots to indicate that addition of variable information is permissible.

e.g. work programme...
report...
meetings...

- i.e. Commission on Human Rights: work programme, 1981 Committee on Contributions: report, 35th
- 5. Modifiers which may be preceded by the name or acronym of a corporate body within the context of the modifier phrase will contain a scope note with this information.

e.g. activities..

SN: May be preceded by the name or acronym of an

intergovernmental organization when the main term is

a topical descriptor

6. Modifiers which must contain a date will be followed by three dots indicating variable information should follow. A scope note will indicate that a date is mandatory.

e.g. Treaty...

SN: Date mandatory

Convention...

SN: Date mandatory

The convention of utilizing three dots to create open ended modifiers was adopted for two reasons:

- 1. The parliamentary literature of the United Nations demands flexible modifiers which can indicate time, place and nature of activity.
- 2. UNBIS includes a subject heading authority file, which will permit editing of headings as the file is updated. The use of open ended modifiers will permit computer matching of the headings with the Thesaurus to the point of the variable information.

## Category outline

01.	POLITICAL AFFAIRS
01.01.00	Political Conditions, Institutions, Movements
01.02.00	International Relations
01.03.00	Maintenance of Peace and Security
01.04.00	Disarmament and Military Questions
01.05.00	Decolonization, Trusteeship and Apartheid
01.06.01	Current Political Questions
01.06.02	Historical Questions
01.07.00	General and National Law
01.07.01	International Law
01.07.02	International Trade Law
01.07.03	Law of the Sea
01.07.04	Law of War
02.	ECONOMIC DEVELOPMENT AND DEVELOPMENT FINANCI
02.01.00	Economic Theory
02.02.00	Economic Conditions
02.03.00	Special Economic Areas
02.04.00	Development
02.05.00	Public Administration
02.06.01	Public Finance
02.06.02	Taxation
02.07.00	Statistics
02.08.00	Consumers and Co-operatives
02.09.00	Transnational Corporations
02.10.00	Development Finance
02.11.00	Banking and Investment
02.12.00	Monetary Issues
03.	NATURAL RESOURCES AND THE ENVIRONMENT
03.01.01	Geography
03.01.02	Cartography
03.01.03	Land Forms and Ecosystems
03.02.00	Resources (General)
03.03.00	Environment
03.04.00	Pollution
03.05.00	Water
03.06.00	Land, Plant and Soil Resources
03.07.00	Wildlife
03.08.00	Marine Resources
03.09.00	Mineral Resources
03.10.00	Energy Resources
04.	AGRICULTURE
04.01.01	Agricultural Economics and Policy; Rural Sociology
04.01.02	Agricultural Sciences, Engineering and Education
04.02.01	Crop Management
04.02.02	Crops
04.03.00	Livestock
04.04.00	Fisheries
04.05.00	Forestry
04.06.00	Pest Management

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11.03.00 Educational Systems 11.04.00 Nonformal Education		
11.04.00 Nonformal Education		
		Educational Personnel and Population

12.	EMPLOYMENT
12.01.00	Employment Promotion and Planning
12.02.00	Skills Development
12.03.00	Conditions of Employment
12.04.00	Labour Relations
12.05.00	Occupations and Special Categories of Workers
13.	HUMANITARIAN AID AND RELIEF
13.01.00	Protection of and Assistance to Refugees and Displaced Persons
13.02.00	Disaster Prevention, Preparedness and Relief
13.03.00	Special Humanitarian Operations
14.	SOCIAL CONDITIONS AND EQUITY
14.01.00	Advancement of Women
14.02.01	Discrimination
14.02.02	Human Rights
14.03.00	Disadvantaged Groups
14.04.01	Narcotic Drugs
14.04.02	Crime and Criminal Justice
14.05.01	Social Science Disciplines and Methodologies
14.05.02	Psychology
14.05.03	Social Development Welfare and Social Services
14.05.04 14.06.00	Genealogy
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15.	CULTURE
15.01.01	Language
15.01.02	Art, Literature and Music
15.02.00 15.03.00	Protection of Intellectual and Cultural Property
15.04.00	Philosophy and Religion Communication and Mass Media
15.05.00	Documentation, Library and Information Sciences and Reference
15.05.00	Works
15.06.00	Leisure, Recreation and Sports
16.	SCIENCE AND TECHNOLOGY
16.01.00	Development and Transfer of Technology and Promotion of Science
16.02.00	Computer Science and Technology
16.03.00	Earth Sciences
16.04.00	Hydrology and Oceanography
16.05.00	Life Sciences
16.06.00	Mathematics
16.07.00	Meteorology
16.08.00	Nuclear Science
16.09.00	Astronomy, Chemistry and Physics
16.10.00	Space Sciences
17.	GEOGRAPHICAL AND ORGANIZATIONAL DESCRIPTORS
17.01.00	Africa
17.02.00	The Americas
17.03.01	Asia
17.03.02	Oceania
17.04.00	Europe
17.05.00	Western Asia and the Middle East
17.06.00	Polar Regions
17.07.01	Special Economic and Political Groups
17.07.02	Organizations of the United Nations System
17.08.01	Oceans and Seas
17.08.02 17.08.03	Major International Lakes and Rivers International Mountain Ranges
17.00.03	meet national Monitalii Valikes

GENERAL ADMINISTRATIVE TERMS AND MODIFIERS

18.

## Table of source codes

- B IOB List of Broad Terms
- D UNBIS System
  - 1.Dag Hammarskjold Library Catalogue
  - 2.Documents Collection
  - 3.UNDOC
  - 4.UNDEX
- F FAO Index Terms
- I UNIDO Thesaurus
- L ILO Thesaurus
- M Macrothesaurus
- P Population Multilingual Thesaurus
  Population/Family Planning Thesaurus
- S Spines Thesaurus
- U UNESCO Thesaurus

## Examples from Thesaurus

### **Alphabetical List**

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Example 1		
Category Used For Broader Term Narrower Term Related Term	NT: HEALTH MANPOWER	Sources
Top Term	PRODUCTIVE LIFE SPAN TT: HUMAN RESOURCES	
Example 2		
CategoryReference to:	LABOUR FORCE	Source
Example 3	PATTERNS OF TRADE	Descrintor
Category	07.01.00 D	
Scope Note	SN: Generally used with respect to specific countries, types of countries or regions	
Example 4  Descriptor	INTERNATIONAL COMMERCIAL ARBITRATION 01.07.02 DB BT: COMMERCIAL ARBITRATION RT: ARBITRAL AWARDS	
Top Term	INTERNATIONAL TRADE TT: DISPUTE SETTLEMENT	
Categorized List		
Example 5		
Category	01.02.00 INTERNATIONAL RELATIONS BALANCE OF POWER	

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**ZONES OF PEACE** 

#### Hierarchical list

Example 6	,	
(see also example 4)	DISPUTE SETTLEMENT	Top Term
2nd and 3rd level	. ARBITRATION	-
descriptors	COMMERCIAL ARBITRATION	
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