

Classification System for Knowledge Organization Literature

The *Classification System for Knowledge Organization Literature* is originally compiled by Dr. Ingetraut Dahlberg for the "Classification Literature" section of the Journal *International Classification* which was started with the first issue of the journal in 1974. The last time this classification was published by Dr. Dahlberg - with an introduction - was in *Knowledge Organization* 20(1993)4, p. 211-222. Many classes of this classification can be subdivided according to scientific disciplines or subject fields. For this subdivision the *Information Coding Classification*, also compiled by Dr. Ingetraut Dahlberg, is used. The ICC was published in *International Classification and Indexing Bibliography: Vol. 1 Classification Systems and Thesauri, 1950-1982. - Frankfurt/Main : Indeks Verlag, 1982. - p. 107-139*. The classes subdivided with the ICC are marked with a *. In most cases the codes of the ICC are combined with the codes of the classification for Knowledge Organization with a -, but in the classes 5 and 6 the subdivision is direct. Examples: 048-51/4 *Thesauri for the medical sciences*, but 651/4 *Literature about Thesauri for the medical sciences*.

Here the *Classification System for Knowledge Organization Literature* is printed as it is used by the present Literature editor of *Knowledge Organization*, including some small changes made with a view of changes in the literature in the field of knowledge organization.

An outline of the ICC is added.

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| 0 | FORM DIVISION | 037 | Terminology of Special Classification and Indexing Systems |
| 01 | Bibliographies in Classification and Indexing | 038 | Terms and Glossaries in Knowledge Organization Application Fields |
| 011 | General Bibliographies | 039 | Free |
| 012 | Current Bibliographies | 04 | Universal Classification Systems |
| 013 | Bibliography of Classification Systems and Thesauri | 041 | Library Classifications Systems |
| 014 | Bibliography of Universal Classification Systems | 042 | Universal Decimal Classification. |
| 015 | Recurring Bibliographies and Holding Lists | 042.1 | Universal Decimal Classification. Complete Editions |
| 016 | Bibliography of Special Classification and Indexing Fields | 042.2 | Universal Decimal Classification. Medium Editions. Standard Editions |
| 017 | Bibliography of Special Indexing Systems | 042.3 | Universal Decimal Classification. Short Editions |
| 018 * | Bibliography of Classification Systems and Thesauri in Subject Fields | 042.5 | Universal Decimal Classification. Extensions and Corrections |
| 019 | Bibliography of the Works of Persons | 043 | Dewey Decimal Classifications |
| 02 | Literature Reviews in Knowledge Organization | 044 | Library of Congress Classification |
| 021 | General Review Articles | 044.8 | Library of Congress Subject Headings |
| 025 | Recurring Reviews | 045 | Bliss Bibliographic Classification |
| 026 | Reviews in Special Knowledge Organization Fields | 046 | Ranganathan's Colon Classification |
| 028 * | Reviews of Classification and Indexing in Subject Fields | 047 | Library Bibliographical Classification. BBK |
| 03 | Glossaries, Vocabularies, Terminologies in Knowledge Organization | 048 | Other Universal Classification Systems and Thesauri |
| 031 | General Glossaries in Knowledge Organization | 048-1 * | Classification Systems and Thesauri in Logic, Mathematics and other Formal Sciences |
| 032 | Glossaries Containing Knowledge Organization Sections | 048-2 * | Classification Systems and Thesauri in Physics, Chemistry, Electronics, Energy |
| 033 | Free | 048-3 * | Classification Systems and Thesauri in Astronomy, Geosciences, Geography, Mining |
| 034 | Terminology of Universal Systems | 048-4 * | Classification Systems and Thesauri in Biological, Veterinary Science, Agriculture, Food Sciences, Ecology |
| 035 | Free | 048-5 * | Classification Systems and Thesauri in Human Biology, Medicine, Psychology, Education, Labour, Sports, Household |
| 036 | Terms and Glossaries in Special Knowledge Organization Fields | | |

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| 048-6 * | Classification Systems and Thesauri in the Sociology, Politics, Social Policy, Law, Area Planning, Military Science, History | 09 | Standards and Guidelines in Knowledge Organization |
| 048-7 * | Classification Systems and Thesauri in Economy, Management Science, Mechanical Engineering, Building, Transport | 09.01 | Subdivisions as under 07, for Example: |
| | | 09.12 | Bibliographies of Standards and Guidelines |
| | | 09.23 | Standards on Concepts and Concept Systems |
| 048-8 * | Classification Systems and Thesauri in Science of Science, Information Science, Computer Science, Communication Science, Semiotics | 09.38 | Standards for Construction of Classification Systems and Thesauri |
| | | | Standards for Indexes |
| 048-9 * | Classification Systems and Thesauri in Language, Literature, Music, Arts, Philosophy, Religion | 1 | THEORETICAL FOUNDATIONS AND GENERAL PROBLEMS |
| 05 | Periodicals and Serials in Knowledge Organization | 11 | Order and Knowledge Organization |
| 051 | Knowledge Organization Journals | 111 | Knowledge Organization in General. Classification and Indexing theory in General |
| 052 | Knowledge Organization Newsletters, Bulletins | 112 | Structures in General |
| 053 | Serials in Knowledge Organization | 113 | General Activities in Knowledge Organization |
| 054 | Periodicals and Serials for Universal Classification Systems and Thesauri | 114 | Universal Order |
| 055 | Periodicals on Special Classification Systems and Thesauri | 115 | General Order of Objects, Object Orientation |
| 056 | Periodicals on Special Knowledge Organization Fields | 116 | General Order of Subjects |
| 057 | Periodicals With Bearings on Knowledge Organization | 117 | Object Orientation |
| 058 * | Knowledge Organization Periodicals in Special Subject Fields | 118 * | Problems of Order in Application Fields |
| | | 119 | Role and Significance of Knowledge Organization |
| 06 | Conference Reports and Proceedings (Listed According to Year, Month and Day(S): 06.93-11-18/19) | 12 | Conceptology in Knowledge Organization |
| 07 | Textbooks in Knowledge Organization Subdivision According to the Outline Notation, for Example: | 121 | Logical and Philosophical Bases of Concepts |
| 07.1 | Textbooks on theoretical Foundations of Knowledge Organization | 122 | theory of Concepts. Knowledge Structure |
| 07.21 | Textbooks on General Questions of Knowledge Organization | 123 | Concept Construction, Definitions |
| 07.23 | Textbooks on the Construction of Classification Systems and Thesauri | 124 | Conceptual Models for Knowledge Representation |
| 07.25 | Textbooks on Numerical Taxonomy | 125 | Basic Concepts, Categories |
| 07.3 | Textbooks on Classing and Indexing | 126 | Kinds of Concepts |
| 07.34 | Textbooks on Automatic Classing and Indexing | 127 | Quality Data |
| 07.41 | Textbooks on Library Classification | 128 * | Concepts of Certain Subject Fields |
| 07.75 | Textbooks on Information Retrieval | 129 | Concept Documentation |
| 07.77 | Textbooks for Terminology | 13 | Mathematics in Knowledge Organization |
| 07.81 | Textbooks on Applied Indexing | 131 | Mathematical theory of Knowledge Organization. Fuzzy Sets. Formal Representation of Concepts |
| 07.85 | Textbooks on Book Indexing | 132 | Algebraic Methods of Knowledge Organization |
| 08 | Other Monographs in Knowledge Organization Subdivisions as under 07, for Example: | 133 | Formalisation and Mathematical Models |
| 08.21 | Monographs on General Questions of Knowledge Organization | 134 | Geometrical Methods |
| 08.92 | Festschriften for Persons in Knowledge Organization | 135 | Graph-theoretical Methods |
| | | 136 | Distribution theory and Frequency Studies |
| | | 137 | Numbers in Knowledge Organization |
| | | 138 * | Mathematical Methods in Subject Fields |
| | | 139 | Mathematical Methods for Certain Purposes |
| | | 14 | Systems theory in Knowledge Organization |
| | | 141 | Systems Principles |
| | | 142 | Typology of Systems |
| | | 143 | Systems Analysis and Description |
| | | 144 | Systems Approach, Knowledge Analysis |
| | | 145 | Decision Support Systems |
| | | 146 | Level theory, Integrative Levels |
| | | 147 | Neural Networks |
| | | 148 | Systems in Specific Fields of Knowledge |
| | | 149 | Information Management. Knowledge Management |

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|-------|--|-------|---|
| 15 | Psychology and Knowledge Organization | 192 | History of Construction of Classification Systems |
| 151 | Psychological Basis of Knowledge Organization | 193 | History of Indexing and Subject Cataloguing |
| 152 | Thought and Memory | 194 | History of Certain Classification Systems |
| 153 | Intellectual Work | 195 | History of Construction of Thesauri |
| 154 | Concept Formation (Non-Scientific) | 196 | History of Subjects Related to Knowledge Organization |
| 155 | Psychology of Knowledge Organization Processes | 197 | Free |
| 156 | Cognition and New Knowledge. Knowledge Acquisition | 198 * | History of Knowledge Organization in Special Subject Fields |
| 157 | Computerisation of Thought Processes, Knowledge-Based Systems | 199 | History of Knowledge Organization in Certain Countries and Institutions |
| 158 * | Psychology of Knowledge Organization in Special Subject Fields | 2 | CLASSIFICATION SYSTEMS AND THESAURI, STRUCTURE AND CONSTRUCTION |
| 159 | Free | 21 | General Questions of Classification Systems and Thesauri. Information Languages in General |
| 16 | Science and Knowledge Organization | 211 | theory of Classification Systems and Thesauri |
| 161 | General Problems | 212 | Typology and Characteristics of Classification Systems and Thesauri |
| 162 | Structure and Interrelationship of Science | 213 | Management of Classification Systems and Thesauri, Incl. Computerisation |
| 163 | Science Methodology | 214 | Thesauri in General, Definition, Etc. Ontologies |
| 164 | Development of Knowledge and Science | 215 | Characteristics and Kinds of Thesauri |
| 165 | Control of Knowledge, Growth, Knowledge Systems | 216 | thesaurus Systems, Integrated Thesauri |
| 166 | Structure of Scientific Literature | 217 | Role and Function of Classification Systems and Thesauri |
| 167 | Contribution of Knowledge Organization to Science Development | 218 | Use of Classification Systems and Thesauri in Special Environments, e.g. in National Bibliographies |
| 168 | Development of Fields of Knowledge | 219 | Comparisons between Classification Systems and Thesauri |
| 169 | Documentation of Scientific Progress | 22 | Structure and Elements of Classification Systems and Thesauri |
| 17 | Problems in Knowledge Organization | 221 | Conceptual Structures of Classification Systems |
| 171 | Knowledge Organization/Classification Problems in General | 222 | Components of Classification Systems and Thesauri in General |
| 172 | Problems from Classification Systems | 223 | Vocabulary Selection and Extraction |
| 173 | Methodological Problems | 224 | Hierarchy and Hierarchical Levels. Polyhierarchical Relations |
| 174 | Organisational Problems | 225 | Facets. Faceted Classification. Faceted Thesauri |
| 175 | Problems of Choice of Classification Systems | 226 | Descriptors, Keywords, Subject Headings: Properties and Functions |
| 176 | Problems from New Methods, e.g. Pattern Recognition | 227 | Compound Descriptors, Descriptor Combinations. Strings of Descriptors |
| 177 | Problems from New Technology | 228 * | Descriptors in Certain Subject Fields |
| 178 * | Knowledge Organization Problems in Subject Fields. Domain Classification | 229 | Representation Form of Descriptors. Graphical Form of Classification Systems and Thesauri |
| 179 | Trends and Future Tasks in Knowledge Organization | 23 | Construction of Classification Systems and Thesauri |
| 18 | Classification and Indexing Research | 231 | Preconditions for Construction |
| 181 | General Problems | 232 | Design Principles for Classification Systems |
| 182 | State-Of-the-Art of Classification and Indexing Research in General | 233 | Methodology for Classification Systems Construction |
| 183 | Research on Classification and Indexing Methods and Techniques | 234 | Linguistic Support of Descriptor Languages |
| 184 | Research on Classification Systems | | |
| 185 | Areas for Research, Proposals | | |
| 186 | Research on New Topics in Classification | | |
| 187 | Influence from Outside on Classification and Indexing Research | | |
| 188 * | Classification and Indexing Research in Special Subject Fields | | |
| 189 | Classification and Indexing Research in Certain Countries and Institutions | | |
| 19 | History of Knowledge Organization | | |
| 191 | History of Knowledge and Library Classification | | |

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|-------|--|-------|---|
| 235 | Construction of Thesauri in General | 279 | Free |
| 236 | Construction of Thesauri for Special Purposes | 28 | Compatibility and Concordances between Indexing Languages |
| 237 | Computer Supported Construction of Classification Systems and Thesauri (for Programs see 275/277) | 281 | Objectives and Nature of Systems Compatibility |
| 238 | Classification Systems and Thesauri Construction in Different Natural Languages (in Subject Fields see 5-6) | 282 | Intermediate Languages |
| 239 | Evaluation of thesaurus Construction Work | 283 | Compatibility in Classing and Indexing |
| 24 | Relationships | 284 | Establishment of Concordances |
| 241 | General and theoretical Problems of Relationships | 285 | Correlative Indexes. Mapping |
| 242 | Paradigmatic Relationships (for Hierarchical Relations see 224) | 286 | Systems Reconciliation, e.g. between Classification Systems and Thesauri, Linking Terms |
| 243 | Syntagmatic Relationships | 287 | Organised Compilation of Compatible Classification Systems and Thesauri, Integration |
| 244 | Descriptor Relationships | 288 * | Compatibility in Subject Areas |
| 245 | Roles and Links | 289 | Evaluation of Compatibility |
| 246 | Weights | 29 | Evaluation of Classification Systems and Thesauri |
| 247 | Relational Data Files | 291 | Principles for Evaluating Classification Systems and Thesauri |
| 248 * | Relations in Special Subject Fields | 292 | Comparison of Classification Systems among each other |
| 249 | Representation of Relationships | 293 | Testing and Evaluating the Validity of One Or More Classification Systems and Thesauri |
| 25 | Numerical Taxonomy | 294 | Natural Versus Controlled Languages |
| 251 | General and theoretical Problems | 295 | Comparative Analysis of Classification Systems and Thesauri |
| 252 | Cluster Analysis | 296 | Descriptor Languages Versus Classification Systems |
| 253 | Classification Procedures | 297 | Evaluation of Patent Classification Systems |
| 254 | Hierarchy in Numerical Taxonomy | 298 * | Evaluation of Classification Systems and Thesauri in Certain Subject Fields |
| 255 | Pattern Recognition | 299 | Free |
| 256 | Place-Related Numerical Taxonomy | 3 | METHODOLOGY OF CLASSING AND INDEXING |
| 257 | Time-Related Numerical Taxonomy | 31 | Theory of Classing and Indexing. (Methodology). |
| 258 * | Application of Numerical Taxonomy in Special Subject Fields | 311 | Principles of Classing and Indexing |
| 259 | Evaluation of Numerical Taxonomy Procedures | 312 | Methodology of Classing |
| 26 | Notation. Codes | 313 | Methodology of Indexing |
| 261 | General Problems of Notations | 314 | Indexing Errors, Constraints |
| 262 | Notational Systems | 315 | Indexing Characteristics (Depth, Intensity, Objectivity, Etc.) |
| 263 | Code and Notation Development, Construction and Manipulation | 316 | Indexing on Different Levels of Abstraction |
| 264 | Characteristics of Codes | 317 | Author and Editor Indexing |
| 265 | Book Numbers, Call Numbers | 318 | Special Purpose Indexing |
| 266 | Class Numbers, Notation of Classification Systems and Thesauri | 319 | Free |
| 267 | Number Systems and Codes for Special Purposes | 32 | Subject Analysis |
| 268 * | Notation and Codes in Certain Subject Fields | 321 | General Problems of "Aboutness". Relevance |
| 269 | Evaluation of Notations and Codes | 322 | Data Analysis and Interpretation |
| 27 | Maintenance, Updating and Storage of Classification Systems and Thesauri | 323 | Subject/Information/Knowledge Analysis |
| 271 | Revision Principles | 324 | Contents Analysis - Text Analysis (Sociology) |
| 272 | Maintenance of Classification Systems and Thesauri | 325 | Facet Analysis |
| 273 | Methods of Revision and Updating | 326 | Abstracting |
| 274 | Revision of Classification Systems and Thesauri in General | 327 | Preparation of Information for Machine Handling |
| 275 | Computer Programs for Classifications | 328 * | Subject Analysis in Certain Fields |
| 276 | Computer Programs for Thesauri | 329 | Comparative Analysis of Data and Subjects |
| 277 | Updating, Maintenance Programs | | |
| 278 | Storage Problems of Classification Systems and Thesauri | | |

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| 33 | Classing and Indexing Techniques | 378 * | Reclassification in Subject Areas |
| 331 | Classification and Indexing in General | 379 | Free |
| 332 | Classing Methods and Techniques | 38 | Index Generation and Programs |
| 333 | Indexing Methods (Not Mentioned under 334/337 Or 34) | | (See also under 85) |
| 334 | Co-Ordinate Indexing | 381 | General and theoretical Problems of Index Generation |
| 335 | Phrase Indexing (in General) | 382 | Special Kinds of Indexes |
| 336 | Chain Indexing | 383 | Manual and Computerised Methods for Index Preparation |
| 337 | PRECIS Indexing | 384 | Programs for Index Preparation, General |
| 338 | Other Phrase Indexing Methods By Name | 385 | Index Generation Programming Systems |
| 339 | Free | 386 | Index Generation Programs, By Name |
| 34 | Classing and Indexing (See also 81) | 387 | Programs for other Activities in Classification and Indexing |
| 341 | theory of (Automatic) Classification and Indexing | 388 * | Index Generation in Subject Fields |
| 342 | Term Values, Discrimination, Precision, Etc. | 389 | Representation Form of Indexes |
| 343 | General, Linguistic and Statistical Methods | 39 | Evaluation of Classing and Indexing |
| 344 | Semi-Automatic Methods and Computer-Assisted Indexing. Automatic Indexing, e.g. Semantic Indexing | 391 | Problems and Principles of Indexing Evaluation |
| 345 | Permutation Indexing | 392 | Evaluation Criteria: Consistency, Functional Efficiency, Etc. Recall and Precision |
| 346 | thesaurus-Based Automatic Indexing | 393 | Methods of Evaluation |
| 347 | Automatic Online Indexing | 394 | Evaluation of a Single Classification Systems Application |
| 348 | Automatic Classification. Automated Categorisation | 395 | Evaluation of a Single Indexing System |
| 349 | Evaluation of Automatic Indexing | 396 | Comparative Studies of Subject Indexing Systems, Incl. thesaurus Vs Free Indexing |
| 35 | Manual and Automatic Order Techniques | 397 | Comparative Studies of Classification Systems Vs Indexing Systems |
| 351 | General and theoretical Problems | 398 * | Comparative Studies of Indexing in Subject Fields |
| 352 | Mathematical Basis of File Organization | 399 | Comparison of Certain Indexes |
| 353 | Generation of Clustered Files. Merging of Files. Consolidation of Files. Recognition of Similar Records | 4 | ON UNIVERSAL CLASSIFICATION SYSTEMS AND THESAURI |
| 354 | Manual Ordering, Shelving | 41 | On Universal Classification Systems and Thesauri in General |
| 355 | File Ordering/Organization | 411 | Library Classification in General. |
| 356 | Hypermedia, Hypertext, Etc. | 412 | Surveys on Existing Universal Systems |
| 357 | Document Structuring, SGML, Hytime, DSSSL, HTML, XML, Etc. Mark-Up Languages | 413 | Standards for Classifications and Thesauri |
| 358 * | File Organization in Subject Fields | 414 | theory and Problems of Library Classification |
| 359 | Evaluation of Manual and Automatic Ordering | 415 | Specifications for a New Universal Classification System Or thesaurus |
| 36 | Coding | 416 | Free |
| 361 | General and theoretical Problems | 417 | Problems from Comparative Studies of Universal Classification Systems |
| 362 | Coding Systems | 418 | Special Topics Treated in Universal Classification Systems |
| 363 | Coding Methods | 419 | Trends in the Development of Universal Classification Systems |
| 364 | Encoding of Index Entries. Triads | 42 | On the Universal Decimal Classification |
| 365 | Encoding of Catalogue Data. Cutter Numbers | 43 | On the Dewey Decimal Classification |
| 366 | Encoding of Text and Data | 44 | On the Library of Congress Classification |
| 367 | Coding of Techno-Economic Data | 448 | On the Library of Congress Subject Headings |
| 368 ** | Coding in Certain Subject Fields | 45 | On the Bliss Bibliographic Classification |
| 369 | Coding in Bibliographic Records | 46 | On the Colon Classification |
| 37 | Reclassification | | |
| 371 | General and theoretical Problems | | |
| 372 | Parameters of Reclassification | | |
| 373 | Organization of Reclassification | | |
| 374 | Administrative Viewpoints | | |
| 375 | Reclassification to LCC | | |
| 376 | Conversion to LBC / BBK | | |
| 377 | Other Reclassification Projects | | |

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| 47 | On the Library Bibliographical Classification | 6 * | ON SPECIAL SUBJECTS CLASSIFICATIONS AND THESAURI |
| 48 * | On other Universal Classification Systems and Thesauri | 61 * | On Classification Systems and Thesauri in Logic, Mathematics and other Formal Sciences |
| 481 * | On Proposals for Universal Classification Systems and Thesauri | 62 * | On Classification Systems and Thesauri in Physics, Chemistry, Electronics, Energy |
| 482 * | On Classification Systems for General Purposes | 63 * | On Classification Systems and Thesauri in Astronomy, Geosciences, Geography, Mining |
| 483 * | On Thesauri and other Devices for General Purposes | 64 * | On Classification Systems and Thesauri in Biological, Veterinary Science, Agriculture, Food Sciences, Ecology |
| 484 * | On Classification Systems and Thesauri for Archives | 65 * | On Classification Systems and Thesauri in Human Biology, Medicine, Psychology, Education, Labour, Sports, Household |
| 485 * | On Classification Systems and Thesauri for Libraries, Including Public Libraries. Sears' List of Subject Headings | 66 * | On Classification Systems and Thesauri in Sociology, Politics, Social Policy, Law, Area Planning, Military Science, History |
| 486 * | On Classification Systems and Thesauri for Documentation and Information Services | 67 * | On Classification Systems and Thesauri in Economy, Management Science, Mechanical Engineering, Building, Transport |
| 487 * | On Classification Systems and Thesauri for Patents and Standards (Subdivide By Country Codes) | 68 * | On Classification Systems and Thesauri in Science of Science, Information Science, Computer Science, Communication Science, Semiotics |
| 488 * | On Classification Systems and Thesauri for Research and Terminology | 69 * | On Classification Systems and Thesauri in Language, Literature, Music, Arts, Philosophy, Religion |
| 489 * | On Classification Systems for other Special Purposes (Children, School and Youth Libraries, Public Offices, State Documents, Etc.) | 7 | KNOWLEDGE REPRESENTATION BY LANGUAGE AND TERMINOLOGY |
| 49 | Free | 71 | General Problems of Natural Language in Relation to Knowledge Organization |
| 5 * | ON SPECIAL OBJECTS CLASSIFICATIONS (TAXONOMIES) | 711 | Linguistics and Knowledge Organization |
| 51 * | On Taxonomies in Logic, Mathematics and other Formal Sciences | 712 | Natural Language and Metalanguage |
| 52 * | On Taxonomies in Physics, Chemistry, Electronics, Energy | 713 | Mathematical and Computational Linguistics, General |
| 53 * | On Taxonomies in Astronomy, Geosciences, Geography, Mining | 714 | Semiotics |
| 54 * | On Taxonomies in Bio Biological, Veterinary Science, Agriculture, Food Sciences, Ecology | 715 | Formalisation of Natural Language. Artificial Intelligence. Expert Systems in General |
| 55 * | On Taxonomies in Human Biology, Medicine, Psychology, Education, Labour, Sports, Household | 716 | Problems of Structure |
| 56 * | On Taxonomies in Sociology, Politics, Social Policy, Law, Area Planning, Military Science, History | 717 | Language Universals |
| 57 * | On Taxonomies in Economy, Management Science, Mechanical Engineering, Building, Transport | 718 | Problems of Different Natural Languages |
| 58 * | On Taxonomies in Science of Science, Information Science, Computer Science, Communication Science, Semiotics | 719 | Free |
| 59 * | On Taxonomies in Language, Literature, Music, Arts, Philosophy, Religion | 72 | Semantics |
| | | 721 | General Problems of Semantics |
| | | 722 | Word and Sentence Meaning |
| | | 723 | Semantic Analysis |
| | | 724 | On Synonyms and other Ambiguities |
| | | 725 | Semantic Networks and Associations |
| | | 726 | Semantics of Texts and Languages |
| | | 727 | Semantics of Data Bases, Memory Systems |
| | | 728 * | Semantics in Subject Fields |
| | | 729 | Free |

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| 73 | Automatic Language Processing | 768 * | Dictionaries in Subject Fields |
| 731 | General and theoretical Problems | 769 | Free |
| 732 | On Language Items for Processing. Natural Query Systems | 77 | Problems of Terminology |
| 733 | Methods and Procedures of Natural Language Processing, Parsing, Word Allocation, Co-Occurrences, Etc. | 771 | General and theoretical Problems |
| 734 | Computer Programs for Automatic Language Processing | 772 | Form and Designation of Terms and Names |
| 735 | Word Truncation, Root, Stem Procedures, N-Grams | 773 | Terminological Work |
| 736 | File, Text Compression. Automatic Abstracting | 773.4 | Computer Programs for Terminological Work |
| 737 | Automatic Analysis of Special Natural Languages | 774 | Term Systems and Terminological Systems |
| 738 * | Automatic Analysis in Subject Fields | 775 | Classification and Terminology |
| 739 | Spoken Document Retrieval. Speech Recognition | 776 | Terminological Databanks |
| 74 | Grammar Problems | 777 | Country and Language-Oriented Terminological Work |
| 741 | General and theoretical Problems of Grammar | 778 | Special Language Research |
| 742 | Grammars | 779 | Contrastive Terminology |
| 743 | Syntactic Analysis and their Algorithms | 78 * | Subject-Oriented Terminology Work |
| 744 | Grammatical Forms, e.g. of Keywords, Terms, Words | 78-1 * | Terminology Work in Logic, Mathematics and other Formal Sciences |
| 745 | Special Grammatical Problems, e.g. Frames | 78-2 * | Terminological Work in Physics, Chemistry, Electronics, Energy |
| 746 | Generation of Phrases, Syntax Structures | 78-3 * | Terminological Work in Astronomy, Geosciences, Geography, Mining |
| 747 | Syntax of Special Natural Languages | 78-4 * | Terminological Work in Biological, Veterinary Science, Agriculture, Food Sciences, Ecology |
| 748 * | Syntax in Special Subject Fields | 78-5 * | Terminological Work in Human Biology, Medicine, Psychology, Education, Labour, Sports, Household |
| 749 | Free | 78-6 * | Terminological Work in Sociology, Politics, Social Policy, Law, Area Planning, Military Science, History |
| 75 | On-Line Retrieval Systems and Technologies | 78-7 * | Terminological Work in Economy, Management Science, Mechanical Engineering, Building, Transport |
| 751 | General and theoretical Problems. Searching in General. Information Retrieval in General | 78-8 * | Terminological Work in Science of Science, Information Science, Computer Science, Communication Science, Semiotics |
| 752 | Dialogue Systems. Interactive Catalogues. On-Line Catalogues. OPAC's | 78-9 * | Terminological Work in Language, Literature, Music, Arts, Philosophy, Religion |
| 753 | On-Line Access, Query Optimisation, Navigation, Query Expansion, Full Text Searching, Free Text Searching | 79 | Problems of Multilingual and Cross-Language Systems and Translation |
| 754 | Programs for On-Line Queries, e.g. for Ranking | 791 | General and theoretical Problems |
| 755 | Problems of On-Line Systems. Types of Searches, e.g. Boolean Searches, Structured Searches, Probabilistic Searches | 792 | Aspects and Models of Translations |
| 756 | Classification and thesaurus-Based Access | 793 | Automatic and Computer-Aided Translation |
| 757 | Expert Systems in Searching. Search Engines. Intelligent Agents. Routing. SDI. Data Mining. Data Fusion. Collection Fusion. Current Awareness Services | 794 | Translation of Classification Systems and Thesauri |
| 758 * | On-Line Systems in Subject Fields. Information Systems in Subject Fields | 795 | Bilingual Classification Systems and Thesauri |
| 759 | Evaluation of On-Line Information Retrieval Systems and Techniques | 796 | Multilingual Classification Systems and Thesauri |
| 76 | Lexicon/Dictionary Problems | 797 | Indexing, Multilingual Systems. Cross-Language Information Retrieval |
| 761 | General and theoretical Problems | 798 * | Translation Problems in Subject Fields |
| 762 | Dictionary Structures | 799 | Interlinguistics and Translation |
| 763 | Construction and Updating of Dictionaries | 8 | APPLIED CLASSING AND INDEXING |
| 764 | Kinds of Dictionaries, Except the Following | 81 | General Problems, Catalogues, Guidelines, Rules, Indexes (See also 34) |
| 765 | Automatic, Monolingual Dictionaries | 811 | General Problems of Indexes and Indexers. |
| 766 | Automatic, Multilingual Dictionaries | | |
| 767 | Data Bases in Dictionary Form | | |

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| 812 | Subject Indexing in General. Consistency | 845 | Classification and Indexing of Journals and Serials |
| 813 | Alphabetical and Classed Subject Catalogues | 846 | Classification and Indexing of theses and Dissertations |
| 814 | Establishment and Maintenance of Subject Catalogues. | 847 | Classification and Indexing of Archival Materials |
| 815 | Manuals, Rules, Codes for Subject Catalogues | 848 * | Classification and Indexing of Field-Oriented Primary Documents. Record Management |
| 816 | Index Specifications | 849 | Classification and Indexing of other Kinds of Primary Documents, Including Software |
| 817 | Rules for Good Subject Catalogues and Indexes | 85 | (Back of the) Book Classification and Indexing |
| 818 | Editing and Printing of Indexes | | See also 38 |
| 819 | Subject Indexes and Catalogues in Certain Institutions and Countries | 851 | General Problems |
| 82 | Representation Forms of Classification and Indexing | 852 | Term Or Topic for Entries |
| 82 | Data Classing and Indexing | 853 | Methodology of Book Indexing |
| 820 | Data Classing and Indexing in General | 854 | Characteristics of Book Indexing |
| 82-1 * | Data Classing and Indexing in Logic, Mathematics and other Formal Sciences | 855 | Indexing of Journals |
| 82-2 * | Data Classing and Indexing in Physics, Chemistry, Electronics, Energy | 856 | Index Generation of Special Books, e.g. Proceedings |
| 82-3 * | Data Classing and Indexing in Astronomy, Geosciences, Geography, Mining | 857 | Computerised Book Indexing |
| 82-4 * | Data Classing and Indexing in Biological, Veterinary Science, Agriculture, Food Sciences, Ecology | 858 * | Book Indexing in Subject Fields |
| 82-5 * | Data Classing and Indexing in Human Biology, Medicine, Psychology, Education, Labour, Sports, Household | 859 | Evaluation of Book Indexing |
| 82-6 * | Data Classing and Indexing in Sociology, Politics, Social Policy, Law, Area Planning, Military Science, History | 86 | Secondary Literature Classification and Indexing |
| 82-7 * | Data Classing and Indexing in Economy, Management Science, Mechanical Engineering, Building, Transport | 861 | Classification and Indexing of Encyclopaedias, Manuals, Dictionaries |
| 82-8 * | Data Classing and Indexing in Science of Science, Information Science, Computer Science, Communication Science, Semiotics | 862 | Classification and Indexing of Bibliographies |
| 82-9 * | Data Classing and Indexing in Language, Literature, Music, Arts, Philosophy, Religion | 863 | Classification and Indexing of Abstracts and Abstracting Journals |
| 83 | Title Classing and Indexing. Derived Indexing | 864 | Citation Indexing |
| 831 | General Problems | 865 | Classification and Indexing of Library Catalogues |
| 832 | Information Value of Titles | 866 | Establishment of Indexes to Classification Systems in General |
| 833 | Methodology of Title and Sentence Classing and Indexing | 867 | Establishment of Indexes to Universal Classification Systems |
| 834 | Use of Tables of Contents | 868 | Establishment of Indexes to Special Classification Systems |
| 835 | Free | 869 | Classification and Indexing of other Secondary Literature |
| 836 | Information Value of Terms from Abstracts Or Text. | 87 | Classification and Indexing of Non-Book Materials |
| 837 | Free | 871 | General Problems, e.g. of Shape. Classification and Indexing of Images in General. Multimedia. Audio-Visual Media |
| 838 * | Title Indexes in Subject Fields | 872 | Picture Classification and Indexing, Including Photographs. |
| 839 | Title Indexing in Special Institutions | 873 | Microform Classification and Indexing |
| 84 | Primary Literature Classification and Indexing (Except 85) | 874 | Slides Classification and Indexing |
| 841 | Classification and Indexing of Current Research and Research Reports | 875 | Video Tape and Film Classification and Indexing |
| 842 | Classification and Indexing of Patents, Standards and Similar Documents | 876 | Cartographic Classification and Indexing. Geographical Classification and Indexing. |
| 843 | Classification and Indexing of Biographies | 877 | Classification and Indexing of Phonographic Records. Music Scores. Music Instruments |
| 844 | Classification and Indexing of News and Newspapers Inclusive Prestel/Viewdata, Etc. | 878 | Classification and Indexing of Museum Objects |
| | | 879 | Classification and Indexing of other Non-Book Materials, e.g. CD-ROMS, Internet, E- |

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| | Mail, Electronic Documents | 93 | Organization of Classification and Indexing on a National and International Level. |
| 88 * | Classification and Indexing in Subject Fields (Manual and With Computers) | | Shared Classification Indexing. Centralised Classification and Indexing |
| 88-1 * | Classification and Indexing in Logic, Mathematics and other Formal Sciences | 931 | General Principles. Shared Indexing in General |
| 88-2 * | Classification and Indexing in Physics, Chemistry, Electronics, Energy | 932 | International Co-Operation and Systems |
| 88-3 * | Classification and Indexing in Astronomy, Geosciences, Geography, Mining | 933 | International Activities. |
| 88-4 * | Classification and Indexing in Biology, Veterinary Science, Agriculture, Food Sciences, Ecology | 934 | Activities in Europe (Subdivide By Country Code) |
| 88-5 * | Classification and Indexing in Human Biology, Medicine, Psychology, Education, Labour, Sports, Household | 935 | Activities in Asia |
| | | 936 | Activities in Africa |
| | | 937 | Activities in America |
| | | 938 | Free |
| | | 939 | Free |
| 88-6 * | Classification and Indexing in Sociology, Politics, Social Policy, Law, Area Planning, Military Science, History | 94 | Bibliographic Control. Bibliographic Records |
| 88-7 * | Classification and Indexing in Economy, Management Science, Mechanical Engineering, Building, Transport | 941 | Bibliographic Control. Bibliography As Discipline |
| 88-8 * | Classification and Indexing in Science of Science, Information Science, Computer Science, Communication Science, Semiotics | 942 | Cataloguing and Indexing in General |
| | | 943 | Archival Description. EAD |
| | | 944 | Bibliographic Records. Functions of Catalogues and Bibliographical Databases. Functional Requirements for Bibliographic Records |
| 88-9 * | Classification and Indexing in Language, Literature, Music, Arts, Philosophy, Religion | 945 | Record Structure. MARC, MARC21, UNIMARC |
| 89 | Classification and Indexing in Certain Languages | 946 | Bibliographic Description. Formal Cataloguing. Cataloguing Rules. ISBD |
| | Subdivide By Language Code | 947 | Interface for Bibliographic Records. Displays for Bibliographic Or Archival Records |
| 9 | KNOWLEDGE ORGANIZATION ENVIRONMENT | 948 | Standard Numbers. ISBD. ISSN. ISMN. ISAN |
| | | 949 | Free |
| 91 | Professional and Organisational Problems in General and in Institutions | 95 | Education and Training in Knowledge Organization |
| 911 | General Problems, e.g. Sociological Aspects | | General Problems |
| 912 | Professional Questions, e.g. Image, New Professions | 951 | Subject, Curricula and Training Programmes |
| 913 | Work Descriptions, Etc. | 952 | Methodology of Teaching Knowledge Organization |
| 914 | Workstations | 953 | Side Effects of Teaching Knowledge Organization |
| 915 | Ergonomic Factors in Knowledge Organization | 954 | Teaching Aids |
| 916 | Organization of Work | 955 | Educational Requirements |
| 917 | Transfer of Data, e.g. CD-ROMS - Other Databases. Linking of Databases. Consolidation. | 956 | Education and Training in Particular Countries |
| 918 | Problems Concerning the Internet. Metadata | 957 | Teaching of Subject-Oriented Classification and Indexing Systems |
| 919 | MARC Format for Classification Data. Classification Data in MARC | 958 * | User Instruction. Teaching of End-Users |
| 92 | Persons and Institutions in Knowledge Organization | 959 | Policy and Legal Questions |
| 921 | Free | 96 | (e.g. Copyright of Classification Systems, Copyright of Computer Programs in Classification and Indexing) |
| 922 | Historical Persons | | |
| 923 | Comparison of Persons | | |
| 924 | Contemporaries | | |
| 925 | Societies, Research Groups, | 97 | Economics in Knowledge Organization |
| 926 | International Societies and Groups | 971 | General Aspects, e.g. Financing |
| 927 | International Institutions | 972 | Free |
| 928 | Free | 973 | Economising Knowledge Organization Work |
| 929 | Awards in Classification and Indexing | 974 | Free |
| | | 975 | Economic Aspects in Classification Systems Construction |

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| 976 | Economic Aspects in Cataloguing | 988 | Use of Indexes |
| 977 | Economic Aspects in Classification and Indexing | 989 | Use of Classification Systems and Thesauri in Certain Institutions |
| 978 | Economic Aspects of Publishing Classification Systems | 99 | Standardisation in Knowledge Organization Work |
| 979 | Free | 991 | General Problems |
| 98 | User Studies (Application of Systems see 218) | 992 | Standardisation of Terms and Characteristics |
| 981 | Studies of Users, Readers in General. Information Literacy | 993 | Standardisation in Shelving and Organizing Materials |
| 982 | Requirements of Classification and Indexing Users (User Interfaces, User Feedback, Search Term Selection) | 994 | Standardisation of Classification Systems |
| 983 | Use of Certain Classification and Indexing Practices | 995 | Standardisation of Thesauri |
| 984 | Use of Classification Systems | 996 | Standardisation of Subject Catalogues |
| 985 | Use of Thesauri | 997 | Standardisation in Indexing |
| 986 | Use of Subject Catalogues | 998 | Authority Files. Standardisation of Personal Names. Authority Files for Indexing |
| 987 | Use of Indexing Systems and Methods | 999 | Free |

Outline of the Information Coding Classification

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| 0 | General Form Concepts |
| 01 | Theories, Principles |
| 02 | Objects, Parts |
| 03 | Activities |
| 04 | Properties, Attributes |
| 05 | Persons |
| 06 | Institutions |
| 07 | Technical Production |
| 08 | Applications, Determination |
| 09 | Synthesis, Distribution |
| 1 | Form and Structure Area |
| 11 | Logic |
| 12 | Mathematics |
| 13 | Statistics |
| 14 | Systemology |
| 15 | Organization of Science and Technology |
| 16 | Metrology |
| 17 | Cybernetics (Control, Automat) |
| 18 | Standardization |
| 19 | Testing and Checking |
| 2 | Energy and Matter Area |
| 21 | Mechanics |
| 22 | Physics and Matter |
| 23 | General and Technical Physics |
| 24 | Electronics |
| 25 | Physical Chemistry |
| 26 | Pure Chemistry |
| 27 | Chemical Technology and Engineering |
| 28 | Energy Science and Technology |
| 29 | Electrical Engineering |
| 3 | Cosmo- and Geo-Area |
| 31 | Astronomy and Astrophysics |
| 32 | Astronautics and Space Research |
| 33 | Basic Geosciences |
| 34 | Atmospheric Science. Meteorology |

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| 35 | Hydrospheric and Oceanological Science |
| 36 | Geological Sciences |
| 37 | Mining |
| 38 | Materials Science and Metallurgy |
| 39 | Geography |
| 4 | Bio-Area |
| 41 | Basic Biological Sciences |
| 42 | Microbiology and Cultivation |
| 43 | Plant Biology and Cultivation |
| 44 | Animal Biology and Breeding |
| 45 | Veterinary Science |
| 46 | Agriculture and Horticulture |
| 47 | Forestry and Wood Science and Technology |
| 48 | Food Sciences and Technology |
| 49 | Ecology and Environmental Science and Technology |
| 5 | Human Area |
| 51 | Human Biology |
| 52 | Health and Theoretical Medicine |
| 53 | Pathology and Special Medicine |
| 54 | Clinical Medicine and Nature Cure |
| 55 | Psychology |
| 56 | Education |
| 57 | Profession, Labour, Leisure |
| 58 | Sports and Games |
| 59 | Household and Home Life |
| 6 | Socio-Area |
| 61 | Sociology |
| 62 | State and Politics |
| 63 | Public Administration |
| 64 | Money and Finances |
| 65 | Social Aid, Social Politics |
| 66 | Law |
| 67 | Area Planning and Urbanism |
| 68 | Military Science and Technology |

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| 69 | History |
| 7 | Economy and Technological Production Area |
| 71 | General economics and National Economy |
| 72 | Management of Enterprises |
| 73 | Technology and Engineering in general |
| 74 | Mechanical Engineering |
| 75 | Building |
| 76 | Commodity Science and Technology |
| 77 | Vehicle Science and Technology |
| 78 | Transport Technology and Services |
| 79 | Service Economics |
| 8 | Science and Information Area |
| 81 | Science of Science |
| 82 | Information Sciences |
| 83 | Computer Science and Technology |

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| 84 | Information in general |
| 85 | Communication Science and Technology |
| 86 | Mass Communication |
| 87 | Printing and Publishing |
| 88 | Communication Engineering |
| 89 | Semiotics |
| 9 | Humanities and Culture Area |
| 91 | Language |
| 92 | Literature and Philology |
| 93 | Music |
| 94 | Fine Arts |
| 95 | Performing Arts. Theatre |
| 96 | Culture Science (Ethnology, etc.) |
| 97 | Philosophy |
| 98 | Non-Christian Religion and Secret Teaching |
| 99 | Christian Religion and Theology |