Computer-assisted Abridgment of a Classification Scheme

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- **Inform derivation of different views of the DDC, for example:**

  - Translations of abridged English-language edition with expansions in targeted areas

  - Translations of full English-language edition with abridgments in targeted areas

  - DDC mixed translation model (classes in vernacular at abridged level of notation combined with full English-language edition classes at subordinate levels)

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- **Reduce costliness of current process of intellectual logical abridgment (for Dewey editorial team and translators)**
  - Year-long effort to produce abridged edition "by hand"
  - Several-months-long effort to produce abridged edition with computer-assisted process
- **Use abridgment process as quality control measure for full English-language edition**

Abridgment guidelines

- Abridged edition is logical abridgment of full edition

- Abridged edition derived from full edition based on set of rules with minimal intellectual intervention

- Classes in current abridged edition (A14) as starting point for notational framework

- Classes initially populated with data from corresponding A14 (abridged-specific data only), new full English-language edition (DDC 23) classes

- Further action needed for several kinds of notes

Including notes: Contents

- Topics in full edition including note

- Captions from subordinate classes one level down

- Topics in class-here notes from subordinate classes one level down

- If caption is "node label," captions from subordinate classes appear as examples

Including notes: Refinements

- Topics from subordinate classes skipped if:

  - Standard subdivisions

  - Wholly represented in the A14 caption

  - (Table 2) Represented in A14 caption after directional vocabulary (e.g., east, northwestern) and administrative units (e.g., state, province) deleted

004.2 Systems analysis and design, computer architecture, performance evaluation

Including analysis of a user's problem preparatory to developing a computer system to solve it; performance measurement and evaluation to aid in designing or improving the performance of a computer system; systems analysis and design, computer architecture, performance evaluation of specific types of electronic computers

- A14 notational framework includes 004.2, not 004.21—004.25

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- A14 notational framework includes 004.2, not 004.21—004.25
- Captions from 004.21, 004.22, 004.24 already included / skipped

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- Captions from 004.21, 004.22, 004.24 already included / skipped
- Topics from class-here notes one level down (004.21, 004.24)

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- Topics from class-here notes one level down (004.21, 004.24)
- Caption from subordinate class one level down (004.25)

Including notes: Node labels

- **Operational definition**

    - **Class has no Relative Index terms assigned**

    - **Two or more subclasses have Relative Index terms assigned**

- **Action**

    - **Gather captions from one level down**

    - **Apply duplication and standard subdivision restrictions**

    - **Insert as parenthetical "e.g." after node label caption**

155.6 Psychology of adults

Including adults by gender or sex; adults by <u>marital status</u> and relationships (e.g., single status, separated and divorced status, widowed status, <u>married status</u>, parents, grandparents, progeny, siblings); people in early adulthood; comprehensive works on young adults; people in middle adulthood

- Node label at 155.64; e.g. clause drawn from captions at 155.642, 155.643, 155.644, 155.645, 155.646

2—425 East Midlands of England

Including ***Chiltern Hills,** *Trent River; Derbyshire and Derby City; ***Derwent River of Derbyshire;** Nottinghamshire and Nottingham City; Lincolnshire; ***Lincoln Heath; *the Wash; *Witham River;** Leicestershire, Leicester City, Rutland County; Northamptonshire; ***Nene River;** Bedfordshire and Luton Borough; Oxfordshire; Hertfordshire; Buckinghamshire and Milton Keynes

*For a specific part of this jurisdiction, region, or feature, see the part and follow instructions under —4-9

Abridgment of numbers in notes

- **Simple class number**
  - **Is number in abridged notational framework?**
  - **Does number in full edition give segmentation?**
  - **Does number include a standard subdivision from Table 1?**
    - **Is number without Table 1 notation in abridged?**
    - **If so, find abridged standard subdivision**
- **Complications**
  - **Spans**
  - **Internal add tables**
  - **Numbers built following add instructions**

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- DDC 23 notes at same notational level and all levels down

- Reordered logically (direct/scatter; comprehensive/interdisciplinary)

- If abridged number in upward hierarchy of number where note found, see reference converted into class-elsewhere note

302.2 Communication

For information theory, see 003.54; for religious symbolism, see 203.7; for Christian religious symbols, see 246.55; for conversation, see 302.346; for censorship, see 303.376; for language, see 400; for iconography, see 704.9; for insignia, see 929.9. For the semiotics of a specific subject, see the subject, plus notation 014 from Table 1, e.g., semiotics of biology 570.14; for symbols in a specific subject other than religion, see the subject, plus notation 0148 from Table 1, e.g., symbols in electrical engineering 621.30148

004.16   Personal computers

. . .

For midrange computers, see 004.1

converted to:

004.16   Personal computers

. . .

Class midrange computers in 004.1

- **Expressive notation**

- **Distinction between topics that approximate the whole of a class and topics in standing room**

- **Well-defined inventory of notes**

Auto-abridgement process: Implications

- **Development and maintenance of the DDC**

- **Discovery of structural inconsistencies in the DDC**

- **Derivations of different views of the DDC**