

MeSHTables.txt
Indexing of Subdivision authorities and MeSH tree numbers:

Tables in MGU11 (MeSH Authorities)

```
=====
!      tab11 - Assignment of fields to indexes
=====
```

1) Create a keyword index (WSD) for subdivision authority headings and references.
Include these fields in WRD (all fields) and WHD (words from headings) indexes.

!A)2	3	4	5	6	7	8	9	10	11	12	13	
!!-!-!!!!-	-!-	!!!!!!-	-!!!!!!-	!!!!!!-	-!!-	-!-	-!!-	-!!-	-!!-	-!!-	-!!-	->

11 W 180##	-68	01 Y	WRD	WHD	WSD
11 W 181##	-68	01 Y	WRD	WHD	WSD
11 W 185##	-68	01 Y	WRD	WHD	WSD
11 W 480##	-w568	01 Y	WRD	WHD	WSD
11 W 481##	-w568	01 Y	WRD	WHD	WSD
11 W 485##	-w568	01 Y	WRD	WHD	WSD
11 W 580##	-w0568	01 Y	WRD	WHD	WSD
11 W 581##	-w0568	01 Y	WRD	WHD	WSD
11 W 585##	-w0568	01 Y	WRD	WHD	WSD

!B)2	3	4	5	6	7	8	9	10
!!-!-!!!!-	-!-	!!!!!!-	-!!!!-	!!!!!!-	!!!!!!-	-!!-	-!-	-!!!!

2) Create a Browse index for the 072 (MeSH tree numbers).

11 A 072##	MTR	-268
------------	-----	------

3) Create a Browse index (SBD) for subdivision authority headings and references.

11 A 180##	SBD	-68
11 A 181##	SBD	-68
11 A 185##	SBD	-68
11 A 480##	SBD	-wi 568
11 A 481##	SBD	-wi 568
11 A 485##	SBD	-wi 568
11 A 580##	SBD	-wi 0568
11 A 581##	SBD	-wi 0568
11 A 585##	SBD	-wi 0568

4) Include subdivision fields in the Browse index of all headings (ALL),
do not include it in the GEN index which is used for online update of bibliographic records.

11 A 180##	ALL	-68
11 A 181##	ALL	-68
11 A 185##	ALL	-68
11 A 480##	ALL	-wi 568
11 A 481##	ALL	-wi 568
11 A 485##	ALL	-wi 568
11 A 580##	ALL	-wi 0568
11 A 581##	ALL	-wi 0568
11 A 585##	ALL	-wi 0568

Create reciprocal RT (related term) links from MeSH authority 5xx fields.
Unlike LCSH, MeSH does not have any BT/NT coding, thus this table cannot be shared with MGU10.

```
=====
!      tab07
=====
```

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! Fields and sub-fields for creating broader term, narrower term and related term
! links

=====

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

=====

!!!! - !!!! - !!!! - ! - !!!! - ! - !!!

550## -iw0568 GEN RT RT
551## -iw0568 GEN RT RT
555## -iw0568 GEN RT RT

In MGU01 (Bibliographic file)

Use the MeSH subdivisions browse index (SBD) to verify subfield x.

=====

| scancode.dat

! Defines the headings files that should be used when the catalog chooses one
! of the Search Headings functions from the Cataloging module

=====

| 1 | 2 | 3 | 4 | 5 |

=====

!!!! - !!!! - !!!! - !!!! - !!!! - !!!! - !!!!

LOCAL MGU01 MGU10 MGU12 MGU11

650#0 SUL TOP
650#2 SUM TOP
650#2x SBD
650#2v ALL
650#2z ALL
651#0 SUL NAM NAM
651#2 SUM NAM NAM ALL
651#2x SBD
651#2v ALL
655#0 SUL ALL
655#2 SUM ALL

Steps to allow matching of non-topical bibliographic headings in SUM (MeSH subjects) index to the LC Names authorities in MGU10

1) For index SUM, match first to MGU11 (MeSH) then to MGU10 (LC)

=====

| tab_aut

! Matching of BIB library's Headings (ACC) index to Authority records

=====

| 1 | 2 | 3 | 4 | 5 | 6 |

=====

!!!! - !!!! - !!!! - !!!! - !!!! - !!!!

AUT 1 MGU10 MGU12
ATH 1 MGU10 MGU12
SUL 2 MGU10 MGU12
SUM 2 MGU11 MGU10
TTL 1 MGU10 MGU12
SRS 3 MGU10 MGU12
AWT 1 MGU10 MGU12

2) In tab11 for MGU01 (Bibliographic file), ensure there is an R line for the SUM index for every authority format tag which has an R line for the SUL (LC subjects) index. And also for 155 and 455 (form headings).

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5XX fields do not need R lines.

```
=====
!      tab11 - Assignment of fields to indexes
=====
!B)2   3   4   5   6   7   8   9   10
!!-!-!!!!-!-!!!!!!-!!!!-!!!!!!-!!!!-!!!!

11 R 100##          SUL
11 R 100##          SUM
11 R 110##          SUL
11 R 110##          SUM
11 R 111##          SUL
11 R 111##          SUM
11 R 130##          SUL
11 R 130##          SUM
11 R 150##          SUL
11 R 150##          SUM
11 R 151##          SUL
11 R 151##          SUM
11 R 155##          SUL
11 R 400##          SUL -wi 5
11 R 400##          SUM -wi 5
11 R 410##          SUL -wi 5
11 R 410##          SUM -wi 5
11 R 411##          SUL -wi 5
11 R 411##          SUM -wi 5
11 R 430##          SUL -wi 5
11 R 430##          SUM -wi 5
11 R 450##          SUL -wi 5
11 R 450##          SUM -wi 5
11 R 451##          SUL -wi 5
11 R 451##          SUM -wi 5
11 R 455##          SUL -wi 5
```

3) In tab20, create lines to allow display of cross-references for 1xx/4xx combinations for the headings that will be matching LC names. Also, add 155/455 combination for MeSH form headings and references.

```
=====
!      tab20
! Links from BIB HEADINGS (Z01) to AUT records, including
! building of cross references
=====

1 SUM   SUM   100##      -wi           0
2       400##      -wi 5        0 SEEF
1 SUM   SUM   100##      -wi           0
2       COR##      -wi           0 SEEF
1 SUM   SUM   100##      -wi           0
2       410##      -wi 5        0 SEEF
1 SUM   SUM   100##      -wi           0
2       411##      -wi 5        0 SEEF
1 SUM   SUM   100##      -wi           0
2       430##      -wi 5        2 SEEF
1 SUM   SUM   100##      -wi           0
2       450##      -wi 5        0 SEEF
1 SUM   SUM   100##      -wi           0
2       451##      -wi 5        0 SEEF
```

>> Lines for 110, 111 and 130 not shown

1	SUM	SUM	150##	-wi	0
2			450##	-wi 5	0 SEEF

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1	SUM	SUM	150##	-wi	0
2			COR##	-wi	0 SEEF
1	SUM	SUM	151##	-wi	0
2			451##	-wi 5	0 SEEF
1	SUM	SUM	151##	-wi	0
2			COR##	-wi	0 SEEF
1	SUM	SUM	155##	-wi	0
2			455##	-wi 5	0 SEEF
1	SUM	SUM	155##	-wi	0
2			COR##	-wi	0 SEEF

Loading related tables for MeSH in MGU11

1) tab/import/mesh.fix (to use with p_file_08)
!----->

* Create Aleph-tag UPD based on heading type:

1	150##	ADD-FIELD	UPD , L, \$\$aY
1	151##	ADD-FIELD	UPD , L, \$\$aY
1	155##	ADD-FIELD	UPD , L, \$\$aN
1	180##	ADD-FIELD	UPD , L, \$\$aN
1	181##	ADD-FIELD	UPD , L, \$\$aN
1	185##	ADD-FIELD	UPD , L, \$\$aN

* Create 035 (System Control Number) from incoming 001, and delete 001/003:
1 001 COPY-SYSTEM-NUMBER 035 , L, a, (DNLM)

2 001 DELETE-FIELD
1 003 DELETE-FIELD

9 SORT-FIELDS

2) In p_manage_36, check the incoming file using the 035 index, which contains the NLM identification number (created from the incoming 001 with p_file_08)

=====
!-----
!----- tab_match
!----- Match specifications for Check Input File Against Database (manage-36)
!-----
!----- 1 2 3
!----->
NLM match_doc_uid I-035

3) In p_manage_18, to overlay the matches identified by p_manage_36, use tab_fix profile MESH, which in turn calls tab_doc_merge profile 03.
This merge profile retains existing CAT fields, retaining the history of the authority record.

The tab_fix profile must include the fix_doc_preferred routine to create a COR field when the 1xx field is changed by the overlay.

=====
!----- tab_fix
!----- List of fix_doc programs
!-----
!----- 1 2 3
!----->
!* Use in p_manage_18 when set to "Update" and "REP" - Replace entire record
!* Note that MeSH records do not need the MARC21 spaces fix (no 010s)
MESH fix_doc_overlay 03
MESH fix_doc_preferred

=====

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```
! tab_doc_merge
! Fields to retain when overlaying (merging) catalog records
=====
! 1 2 3 4
!! -! -!!!!!!!
03 1 Y CAT##
03 2 Y #####
```

taginfo. eng (in authority library): add detailed help for 072 and 073 codes.

072_XX

CT1 072 SUBJECT CATEGORY CODE (R)

CT4 Indicators

CT4 First - Undefined; contains a blank

CT4 Second - Code source

CT4 <blank> No information provided [i.e. MeSH]

CT4 0 NAL subject category code list

CT4 7 Source specified in subfield \$2

CT3 Subfield Codes

CT3 \$a Subject category code (NR)

CT3 Codes valid when Ind. 2 = <blank> (MeSH):

CT1 Anatomy

CT3 A1 Body Regions

CT3 A2 Musculoskeletal System

CT3 A3 Digestive System

CT3 A4 Respiratory System

CT3 A5 Urogenital System

CT3 A6 Endocrine System

CT3 A7 Cardiovascular System

CT3 A8 Nervous System

CT3 A9 Sense Organs

CT3 A10 Tissues

CT3 A11 Cells

CT3 A12 Fluids and Secretions

CT3 A13 Animal Structures

CT3 A14 Stomatognathic System

CT3 A15 Hemical and Immune Systems

CT3 A16 Embryonic Structures

CT3 A17 Integumentary System

CT1 Organisms

CT3 B1 Invertebrates

CT3 B2 Vertebrates

CT3 B3 Bacteria

CT3 B4 Viruses

CT3 B5 Algae and Fungi

CT3 B6 Plants

CT3 B7 Archaea

CT1 Diseases

CT3 C1 Bacterial Infections and Mycoses

CT3 C2 Virus Diseases

CT3 C3 Parasitic Diseases

CT3 C4 Neoplasms

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073_XX

CT1 073 SUBDIVISION USAGE (NR)

CT4 Indicators - Both undefined; each contains a blank

CT3 Subfield Codes

CT3 \$a Subdivision usage (R)

CT3 Codes valid when \$z = MeSH:

CT1 Anatomy

CT3 A1 Body Regions

CT3 A2 Musculoskeletal System

CT3 A3 Digestive System

CT3 A4 Respiratory System

CT3 A5 Urogenital System

CT3 A6 Endocrine System

CT3 A7 Cardiovascular System

CT3 A8 Nervous System

CT3 A9 Sense Organs

CT3 A10 Tissues

CT3 A11 Cells

CT3 A12 Fluids and Secretions

CT3 A13 Animal Structures

CT3 A14 Stomatognathic System

CT3 A15 Hemical and Immune Systems

CT3 A16 Embryonic Structures

CT3 A17 Integumentary System

CT1 Organisms

CT3 B1 Invertebrates

CT3 B2 Vertebrates

CT3 B3 Bacteria

CT3 B4 Viruses

CT3 B5 Algae and Fungi

CT3 B6 Plants

CT3 B7 Archaea

CT1 Diseases

CT3 C1 Bacterial Infections and Mycoses

CT3 C2 Virus Diseases

CT3 C3 Parasitic Diseases

CT3 C4 Neoplasms

CT3 C5 Musculoskeletal Diseases

CT3 C6 Digestive System Diseases

CT3 C7 Stomatognathic Diseases