



DOCUMENTATION

Z39.50 Conversion
MARC21 to MAB
UNIMARC to MAB
MAB to MARC21

Ex Libris

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Z39.50 Conversion

If you want to use data in Z39.50 which are not in your local format, you need conversion of the data to put it into your local format. We created new programs and tables to convert in the first instance three formats. In this document you will find the relevant settings for the conversion. You will find more information about gate configuration and search attributes in our documentation center.

The following routine names are examples for the entries in the configuration tables:
USMAB for conversion MARC21 to MAB
UNMAB for conversion UniMarc to MAB
MABUS for conversion MAB to MARC21

Inquiry in MARC21- or UniMarc-database using Z39.50 and conversion to MAB-format

If you are working with MAB-format and want to use data from a UniMarc- or MARC21-library you have to place the new conversion-tables into your local environment.

New tables:

EXT04/tab/tab_fix_usm2mab conversion MARC21 to MAB

EXT04/tab/tab_fix_uni2mab conversion UniMarc to MAB

Add following entries in tab_fix

EXT04/tab/tab_fix:

```
!  
USMAB fix_doc_usm_del_endpunct  
USMAB fix_doc_convit          FILE=tab_fix_usm2mab  
USMAB fix_doc_mab            FUNC=INPUT,FILE=tab_fix_mab  
  
!USMAB fix_doc_usm_end_punct          not applicable!  
!USMAB fix_doc_mab_n          FILE=tab_fix_marc_to_mab      not applicable!  
UNMAB fix_doc_convit          FILE=tab_fix_uni2mab  
UNMAB fix_doc_mab            FUNC=INPUT,FILE=tab_fix_mab.
```

Every Z39.50-database has to be defined in following Aleph tables:

1. \$alephe_tab/tab_base.<lng>
2. \$alephe_tab/z39_gate/z39_gate.conf
3. \$alephe_tab/z39_gate/z39_gate_<TARGET>.conf
4. \$alephe_root/gate/<target>.conf

You will find details for implementation in other Z39.50-documentation. If you want to implement the conversion you have to consider the following entries.

There must be a configuration file in \$alephe_gate with the entry

Z58-IN-RECORD-FIX **USMAB**

\$alephe_gate/usmab_z39.conf: new configuration if using conversion MARC to MAB

Ex :
.
#####

```

## USMAB BY Z39 Conversion to MAB
#####

#####
#General Settings
#####
Z58-BASE-NAME          USM01_Z39
Z58-ACCESS-METHOD    Z39
Z58-BASE-REMOTE        USM01_Z39

#####
#Find Request Settings
#####
Z58-OUT-FIND-CHAR-CONV

#####
#Present Response Settings
#####
Z58-IN-RECORD-TYPE     USMARC
Z58-IN-RECORD-CREATE   vir_z00_z39_usmarc
Z58-IN-RECORD-CHAR-CONV
Z58-IN-RECORD-FIX      USMAB

```

.
.
In this example we use the database USM01_Z39 as a target. Certainly you can use another database, but make sure, that there is a gateway-configuration (e.g.in \$alephe_gate/usm01_z39 and \$alephe_tab/z39_gate/z39_gate_USM01_Z39.conf). Please note the entry in Z58-IN-RECORD-FIX, which must match with the entry in tab_fix.

Example for gate configuration using UniMarc database:

\$alephe_gate/unmab_z39.conf: new configuration for UNIMARC to MAB

```

.
#####
## UNMAB BY Z39 Conversion to MAB
#####

#####
#General Settings
#####
Z58-BASE-NAME          UNI01_Z39
Z58-ACCESS-METHOD    Z39
Z58-BASE-REMOTE        UNI01_Z39

#####
#Find Request Settings
#####
Z58-OUT-FIND-CHAR-CONV

#####
#Present Response Settings
#####
Z58-IN-RECORD-TYPE     UNIMARC
Z58-IN-RECORD-CREATE   vir_z00_z39_usmarc
Z58-IN-RECORD-CHAR-CONV
Z58-IN-RECORD-FIX      UNMAB
.
.

```

\$alephe_tab/tab_base.lng Please add

USMAB_Z39	USMAB Z39 Local	EXT04 USMAB	EXT04 N
UNMAB_Z39	UNMAB Z39 Local	EXT04 UNMAB	EXT04 N

Entries in Clients in AL500/alephcom/tab/searbase.dat

Please add

USMAB_Z39
UNMAB_Z39

USMAB_Z39
UNMAB_Z39

EXT04
EXT04

Inquiry in MAB-database using Z39.50 and conversion to MARC21-format

If you are working with Marc-format and want to use data from a MAB-library you have to place the new conversion-tables into your local environment.

New table:

EXT01/tab/tab_fix_mab2usm conversion MAB zu MARC21

Add following entries in tab_fix

EXT01/tab/tab_fix

MABUS fix_doc_convit FILE=tab_fix_mab2usm

There must be a configuration file in \$alephe_gate with the entry

Z58-IN-RECORD-FIX USMAB

Example for gate configuration using MAB database:

\$alephe_gate/mabus_z39.conf: new configuration for MAB to Marc21

```
#####  
## MABUS BY Z39  
#####  
Z58-BASE-NAME MAB01_Z39  
Z58-BASE-SHORT-NAME MAB01_Z39  
Z58-ACCESS-METHOD Z39  
Z58-BASE-REMOTE MAB01_Z39  
Z58-IN-RECORD-TYPE MAB  
Z58-IN-RECORD-CREATE vir_z00_z39_mab  
Z58-IN-RECORD-CHAR-CONV MAB_TO_UTF  
Z58-IN-RECORD-FIX MABUS  
Z58-IN-SCAN-CHAR-CONV MAB_TO_UTF  
Z58-OUT-FIND-CHAR-CONV UTF_TO_MAB  
Z58-OUT-SCAN-CHAR-CONV UTF_TO_MAB  
Z58-SORT Y  
Z58-SCAN Y  
#  
# Translate Search Input  
# like MAB01 Z39
```

\$alephe_tab/tab_base.ing Please add

MABUS_Z39 MABUS Z39 Local EXT01 MABUS EXT01 N

Entries in Clients in AL500/alephcom/tab/searbase.dat Please add
MABUS_Z39 MABUS_Z39 EXT01