

Z103 and Z103X - LINKS BETWEEN RECORDS

The Z103 and Z103X tables provide information on links between records. A link is a pointer between records of the database, such as between bibliographic records or between a bibliographic record and an administrative record, or between a bibliographic record and a holdings record. For example, when a new administrative record is created, a connection is automatically made between it and the bibliographic record. Through this link, when you are reading the bibliographic record, you can call up the administrative record and see information about the items (e.g., the list of copies, their availability, and the libraries that own them).

In ALEPH, links between records are created using the LKR field (ALEPH linking field), or one of the special linking programs (such as `update_z103_ids`, `update_z103_uni`), based on linking fields (76X-78X in USMARC, 4XX fields in UNIMARC). The LKR field is either generated by the system (e.g., when a new administrative record is created) or is manually cataloged in one of the records; the linking field should be present in one record only, the system will automatically create the other side of the link.

When an ITM link is created (as a result of LKR of types ITM or ANA), the link can contain filters. Only items with matching filters are considered linked.

Z103X is an expansion of the Z103 table and contains additional filters. In order to make these additional filters applicable:

- Define the Z103X table in all relevant libraries.
- Configure the `update_z103_lkr_extended` program in `tab_z103`.

Conversion is not applicable. Links are created/rebuilt by running the “Create Links Between Records” (`p_manage_12`) batch procedure. This service is available from the Build Indexes to the Catalog option of the Services menu in the Cataloging module. After any change in the definitions of `tab_z103`, recreate the links.

Note that a source record - the record in which the link is defined - may have up to 99 links defined.

In the following table, (X) denotes an alphanumeric field and (9) denotes a numeric field. All alphanumeric fields are left-aligned with trailing spaces; all numeric fields are right-aligned with leading zeroes. Decimal positions are indicated by the symbol V. The total number of decimal digits is designated by the number of nines following the V.

Z103

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| 02 | Z103-REC-KEY. | |
| 03 | Z103-SOURCE-LIBRARY | PICTURE X(5). |
| 03 | Z103-SOURCE-DOC-NUMBER | PICTURE 9(9). |
| 03 | Z103-SEQUENCE | PICTURE 9(2). |

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| 02 | Z103-REC-KEY-1. | |
| 03 | Z103-LIBRARY | PICTURE X(5). |
| 03 | Z103-DOC-NUMBER | PICTURE 9(9). |
| 02 | Z103-REC-KEY-2. | |
| 03 | Z103-LKR-LIBRARY | PICTURE X(5). |
| 03 | Z103-LKR-DOC-NUMBER | PICTURE 9(9). |
| 02 | Z103-LKR-TYPE | PICTURE X(3). |
| 02 | Z103-LKR-TEXT-N-ALPHA | PICTURE X(1). |
| 02 | Z103-LKR-TEXT-N | PICTURE X(300). |
| 02 | Z103-LKR-TEXT-M-ALPHA | PICTURE X(1). |
| 02 | Z103-LKR-TEXT-M | PICTURE X(300). |
| 02 | Z103-LKR-FILTER. | |
| 03 | Z103-ENUMERATION-A | PICTURE X(20). |
| 03 | Z103-ENUMERATION-B | PICTURE X(20). |
| 03 | Z103-ENUMERATION-C | PICTURE X(20). |
| 03 | Z103-CHRONOLOGICAL-I | PICTURE X(20). |
| 03 | Z103-CHRONOLOGICAL-J | PICTURE X(20). |
| 02 | Z103-SORT | PICTURE X(50). |

Z103X

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| 02 | Z103X-REC-KEY. | |
| 03 | Z103X-SOURCE-LIBRARY | PICTURE X(5). |
| 03 | Z103X-SOURCE-DOC-NUMBER | PICTURE 9(9). |
| 03 | Z103X-SEQUENCE | PICTURE 9(2). |
| 02 | Z103X-LKR-FILTER. | |
| 03 | Z103X-ENUMERATION-D | PICTURE X(20). |
| 03 | Z103X-ENUMERATION-E | PICTURE X(20). |
| 03 | Z103X-ENUMERATION-F | PICTURE X(20). |
| 03 | Z103X-ENUMERATION-G | PICTURE X(20). |
| 03 | Z103X-ENUMERATION-H | PICTURE X(20). |
| 03 | Z103X-CHRONOLOGICAL-K | PICTURE X(20). |
| 03 | Z103X-CHRONOLOGICAL-L | PICTURE X(20). |
| 03 | Z103X-CHRONOLOGICAL-M | PICTURE X(20). |

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| Z103-REC-KEY | | | |
| Z103-SOURCE-LIBRARY | M | X(5) Upper case | DESC: Library code to which the record with the linking field belongs. |
| Z103-SOURCE-DOC-NUMBER | M | 9(9) Leading zeroes | DESC: System number of the record in which the linking field was defined. |
| Z103-SEQUENCE | M | 9(2) | DESC: Sequence number of a link. Used to distinguish between multiple links of the same record. |
| Z103-REC-KEY-1 | | | |
| Z103-LIBRARY | M | X(5) | DESC: Library code to which the pointing record ('from' record) belongs. |
| Z103-DOC-NUMBER | M | 9(9) | DESC: System number of the pointing record ('from' record). |
| Z103-REC-KEY-2 | | | |
| Z103-LKR-LIBRARY | M | X(5) | DESC: Library code to which the addressed record ('to' record) belongs. |
| Z103-LKR-DOC-NUMBER | M | 9(9) | DESC: System number of the addressed record ('to' record). |
| Z103-LKR-TYPE | M | X(3) | <p>DESC: Defines the type of link. Values are:</p> <p>UP = Up link to another BIB record. A record can have only one link of this type. 'DN' link is automatically built in the opposite direction.</p> <p>DN = Down link to another BIB type record. Multiple links are possible. 'UP' link is automatically built in the opposite direction.</p> <p>PAR = Parallel link from BIB to BIB record. 'PAR' link is automatically built in the opposite direction.</p> <p>HOL = Link from HOL record to BIB record. Link is built from BIB to HOL.</p> <p>ADM = Link from ADM record to BIB record. Link is build from BIB to ADM.</p> <p>ANA = Link between bibliographic records of different levels. When an analytic link is created the system generates UP / DN links between the two records and ITM link to the item that corresponds to it (according to vol., part, year) on the ADM record of the second record.</p> <p>ITM = Link between a BIB record and the items of another BIB record. Note: System number must be the ADM system number and you must enter the code of</p> |

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| | | | the ADM library. |
| Z103-LKR-TEXT-N-ALPHA | M | X(1) | DESC: Alpha code of LKR-TEXT-N. L is used for all scripts (e.g. Latin, Greek, Cyrillic, etc.). |
| Z103-LKR-TEXT-N | M | X(300) | DESC: Text for UP link. Usually this is the title of the other side of the link. This field is not used for ANA type links. Note: using the value of subfield \$\$r in an LKR field, together with tab05 definitions, the system will display a caption before \$\$n in OPAC |
| Z103-LKR-TEXT-M-ALPHA | M | X(1) | DESC: Alpha code of LKR-TEXT-M. L is used for all scripts (e.g. Latin, Greek, Cyrillic, etc.). |
| Z103-LKR-TEXT-M | M | X(300) | DESC: Text for DN (down) link. Usually this is the title of the other side of the link. This field is not used for ANA type links. Note: using the value of subfield \$\$r in an LKR field, together with tab05 definitions, the system will display a caption before \$\$n in OPAC |
| Z103-LKR-FILTER | | | DESC: The following filter fields are used to create a direct match between a selected item and a BIB record. If none of the filters are used the link will be created between all the items of the linked record. |
| Z103-ENUMERATION-A | O | X(20) | DESC: First level of enumeration. Filter by first level of enumeration - usually the volume number - of the item (Z30-ENUMERATION-A). |
| Z103-ENUMERATION-B | O | X(20) | DESC: Second level of enumeration. Filter by second level of enumeration – usually the issue number – of the item (Z30-ENUMERATION-B). |
| Z103-ENUMERATION-C | O | X(20) | DESC: Third level of enumeration. Filter by third level of enumeration – usually the sub-part of the volume (Z30-ENUMERATION-C). |
| Z103-CHRONOLOGICAL-I | O | X(20) | DESC: First level of chronology. Filter by first level of chronology – usually the year in which the item was published (Z30-CHRONOLOGICAL-I). |
| Z103-CHRONOLOGICAL-J | O | X(20) | DESC: Second level of chronology. Filter by the second level of chronology |

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| | | | of the item (Z30-CHRONOLOGICAL-J). |
| Z103-SORT | - | X(50) | DESC: Not applicable. Intended to be a sort key for a list of DN (down) links. |
| Z103X-REC-KEY | | | DESC: same as Z103- REC-KEY, in order to connect Z103 and Z103X records. |
| Z103X-LKR-ADD-FILTER | | | DESC: The following additional filter fields are used to create a direct match between a selected item and a BIB record. |
| Z103X-ENUMERATION-D | O | X(20) | DESC: Fourth level of enumeration. Filter by forth level of enumeration of the item (Z30- ENUMERATION-D). |
| Z10X-ENUMERATION-E | O | X(20) | DESC: Fifth level of enumeration. Filter by fifth level of enumeration of the item (Z30- ENUMERATION-E). |
| Z103X-ENUMERATION-F | O | X(20) | DESC: Sixth level of enumeration. Filter by sixth level of enumeration of the item (Z30- ENUMERATION-F). |
| Z103X-ENUMERATION-G | O | X(20) | DESC: Alternative first level of enumeration. Filter by alternative first level of enumeration - usually the volume number - of the item (Z30- ENUMERATION-G). |