

Z324 – SDI-READY

The SDI search defined by the patron retrieves records added to the database since the last run of the search according to the patron's definitions.

Checking the patron's SDI profile against the Z324 record of an item determines whether or not the item will be included into the SDI results list sent to the patron.

When a new item is created, the mechanism of building/not building a Z324 record for it is the following:

- Item process status check: must be blank. If not, a Z324 record will not be created.
- Sublibrary check: if the BIB doc number matching a new item does not exist in this particular sublibrary (or in the ADM library or if it does not exist in all locations), a Z324 record will be created for it. If the doc number already exists, the enumeration check will be performed.
- Enumeration check: if the enumeration of the new record is higher than the enumeration of the record/records with the same doc number that already exists/exist in the database, a Z324 record will be created for this item taking its enumeration and creation time. The old Z324 for this record will be removed. Only one Z324 can exist per record in a sublibrary. If the enumeration of the new record is lower/equal to the enumeration of the record/records with the same doc number that already exists/exist in the database, a Z324 record will not be created.

If after these checks an "SDI-ready" record must be created, Z324 is built at least 3 times for each record: one for the specific sublibrary to which the item is added, one for the ADM library to which the sublibrary/sublibraries belong, and one for all possible locations. For example, a BIB record number 123 has two items: one in sublibrary ABC and one in sublibrary DEF. The sublibraries belong to the same ADM library (for example, USM50). If, after the checks mentioned above for each item, a Z324 record must be created, 123 will have four Z324 records: one for sublibrary ABC, one for sublibrary DEF, one for ADM library USM50, and one for all possible locations.

The Z324 record is stored in the BIB (for example, USM01) library.

In Union Catalog, each new record that is loaded to the Union Catalog triggers a Z324 record. For each document in Union Catalog, two Z324 records are built: one for the specific location to which the document is added and one for all possible locations.

For Union Catalog the Z324 record is stored in the Union Catalog (for example, USM90) library.

No conversion is needed.

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.

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02 Z324-REC-KEY.
    03 Z324-DOC-NUMBER          PICTURE 9(9) .
    03 Z324-SEQUENCE           PICTURE 9(9) .
02 Z324-ENUMERATION.
    03 Z324-ENUMERATION-A      PICTURE X(20) .
    03 Z324-ENUMERATION-B      PICTURE X(20) .
    03 Z324-ENUMERATION-C      PICTURE X(20) .
    03 Z324-ENUMERATION-D      PICTURE X(20) .
02 Z324-LOCATION                PICTURE X(20) .
02 Z324-DATE-TIME.
    03 Z324-DATE                PICTURE 9(8) .
    03 Z324-HOUR                PICTURE 9(4) .

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Z324-REC-KEY			
Z324-DOC-NUMBER	M	9(9)	DESC: Document system number.
Z324-SEQUENCE	M	9(9)	DESC: Sequence number. Used to distinguish between multiple Z324 records of one record.
Z324-ENUMERATION			
Z324-ENUMERATION-A	O	X(20)	DESC: The enumeration level of the item taken from its Z30 record. Four levels of enumeration are possible. When a Z324 is created for the first time for a particular record, it gets the highest enumeration of all its items.

			When a new item of this BIB arrives and its enumeration is the highest among all existing items of this BIB, Z324 gets updated with this enumeration.
Z324-LOCATION	M	X(20)	DESC: A Z324 record is built at least three times for each record: one for the specific sublibrary to which the item is added (if different items of the same BIB are added to different sublibraries, for each of them, a separate Z324 will be created), one for the ADM library to which the sublibrary/sublibraries belong, and one for all possible locations.
Z324-DATE-TIME			
Z324-DATE	M	9(8)	DESC: This is the date when Z324 is created. When sdi-01 is running, for all records in the database that meet the 'find' criteria of the SDI profile but do not have a Z324 record, Z324 is built with Z324-DATE=19000101. This guarantees that old records will not be included into the SDI results lists sent to patrons.
Z324-HOUR	M	9(4)	DESC: The hour when the Z324 is created.