

Z97 – WORD DICTIONARY

The Z97 table contains the word dictionary; in other words, it contains a list of all the searchable words derived from information in the document record. When the user performs a Find/Search request from the Web OPAC or from the Search function in the GUI, the system checks the Word index to retrieve all documents containing the keyword(s) entered by the user.

Each library can decide which fields of the document record will be the basis for the Find/Search function. For example, you might decide to provide the ability to Search by words from Titles. The system extracts each unique word from the specific fields of the records and creates a unique entry for the word in the Z97 table. The Z97 contains all the searchable words according to the indexing defined in the tab00 and tab11_word tables of the library's tab directory.

No conversion is needed. The word dictionary is generated – according to the definition of the library's tab11_word table – by running the “Update Word Index” (p_manage_01) batch procedure. This service is available from the Build Indexes to the Catalog option of the Services menu in the Cataloging module.

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.

02 Z97-WORD	PICTURE X(70) .
02 Z97-WORD-R	PICTURE X(70) .
02 Z97-REC-NUMBER	PICTURE 9(9) .
02 Z97-REC-NUMBER-2	PICTURE 9(9) .

Z97-WORD	M	X(70)	DESC: Word. The system extracts each unique word from the specific fields of the records (according to the index definitions of the library's tab/tab11_word table) and creates a unique entry for the word in the Z97 table. The word is assigned a unique identifier (Z97-REC-NUMBER-2) and in the Z98 table this unique identifier is related to all documents that contain the word.
Z97-WORD-R	M	X(70)	DESC: The word in Z97-WORD but reversed. For example, if the Z97-WORD is "word", then the Z97-WORD-R is "drow".
Z97-REC-NUMBER	M	9(9) Leading zeroes	DESC: Contains the unique identifier of the word record for which the word is a synonym. If the word is not a synonym, the Z97-REC-NUMBER and the Z97-REC-NUMBER-2 are the same.
Z97-REC-NUMBER-2	M	9(9) Leading zeroes	DESC: Unique identifier of the word.