

## Z309 – Circulation Logger

The Z309 table acts as a circulation "log" file. The Circulation Logger is a tool that enables a staff user to view and filter a patron's circulation activities. Loan and cash activities are displayed as part of a transaction, starting from the time that an item has been loaned until it has been returned and starting from the time that a cash charge has been created until it has been fully paid.

In the following table, (X) denotes an alphanumeric field and (9) denotes a numeric field. All alphanumeric fields are left-aligned with leading spaces, all numeric fields are right-aligned (with leading zeroes, where relevant). 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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01 Z309.
  02 Z309-REC-KEY.
    03 Z309-ID PICTURE X(12).
    03 Z309-SEQUENCE PICTURE 9(15).
  02 Z309-REC-KEY-2.
    03 Z309-LOAN-NUMBER PICTURE 9(9).
  02 Z309-REC-KEY-3.
    03 Z309-DOC-NUMBER PICTURE 9(9).
    03 Z309-ITEM-SEQUENCE PICTURE 9(6).
  02 Z309-REC-KEY-4.
    03 Z309-CASH-ID PICTURE X(12).
    03 Z309-CASH-SEQUENCE PICTURE 9(15).
  02 Z309-CATALOGER-NAME PICTURE X(10).
  02 Z309-CATALOGER-IP PICTURE X(20).
  02 Z309-DATE-X.
    03 Z309-DATE PICTURE 9(8).
    03 Z309-HOUR PICTURE 9(4).
  02 Z309-ACTION PICTURE 9(2).
  02 Z309-OVERRIDE PICTURE X(1).
  02 Z309-TEXT PICTURE X(50).
  02 Z309-DATA PICTURE X(2000).
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<b>Z309-REC-KEY</b>			
Z309-ID	M	X(12)	<b>DESC:</b> ID of the patron of which the transaction is logged <b>CONV:</b> Valid patron ID
Z309-SEQUENCE	M	9(15)	<b>DESC:</b> Sequence number, unique and chronological. Used for sorting list in display. <b>CONV:</b> Must be unique. ALEPH's convention is time stamp + a running sequence (YYYYMMDD+ running sequence). For example: 200501130000001. The sequence is based on the last_record_sequence Oracle sequence that must be present in the pw_library.
<b>Z309-REC-KEY-2</b>			
Z309-LOAN-NUMBER	M/ O	9(9)	<b>DESC:</b> Contains the Z36-LOAN-NUMBER of the loan that is related to the log transaction. If the logged transaction is a cash transaction this field will be zeroes. <b>CONV:</b> Relevant loan number for all loan related actions or zeroes.
<b>Z309-REC-KEY-3</b>			
Z309-DOC-NUMBER	M/ O	9(9)	<b>DESC:</b> Contains the Z30-DOC-NUMBER of the item related to the loan or cash transaction. <b>CONV:</b> Relevant value for all item related actions, or zeroes.
Z309-ITEM-SEQUENCE	M/ O	9(6)	<b>DESC:</b> Contains the Z30-ITEM-SEQUENCE of the item related to the loan or cash transaction. <b>CONV:</b> Relevant value for all item related actions or zeroes.
<b>Z309-REC-KEY-4</b>			
Z309-CASH-ID	M/ O	X(12)	<b>DESC:</b> Contains the Z31-ID of the cash transaction that is logged in this transaction. <b>CONV:</b> Relevant Z31-ID for all cash related actions or zeroes.
Z309-CASH-SEQUENCE	M/ O	9(15)	Contains the Z31-SEQUENCE of the cash transaction that is logged in this transaction. <b>CONV:</b> Relevant Z31- SEQUENCE for all cash related actions or zeroes.

Z309-CATALOGER-NAME	M	X(10)	<b>DESC:</b> This field contains the user name of the librarian who performed the logged transaction. <b>CONV:</b> Use 'CONV' as a default or operator's user name.
Z309-CATALOGER-IP	M	X(20)	<b>DESC:</b> This field contains the workstation's identifier (if defined) or the internal IP of the workstation from which the transaction was performed. <b>CONV:</b> Relevant IP or blank
Z309-DATE-X			
Z309-DATE	M	9(8)	<b>DESC:</b> Contains the date that the logged transaction occurred. <b>CONV:</b> Relevant date or zeroes.
Z309-HOUR	M	9(4)	<b>DESC:</b> Contains the hour that the logged transaction occurred. <b>CONV:</b> Relevant hour or zeroes.
Z309-ACTION	M	9(2)	<b>DESC:</b> The code of the logged transaction which originates from the table tab_circ_log.lng. <b>CONV:</b> Following is the list of action codes and their meaning. 00 - Log loan note 01 - Regular loan 09 - Self check loan 02 - Offline circulation loan 03 - Regular return 06 - Late return 07 - Late recall return 08 - Late return within grace period 10 - Self check return 25 - Loan returned and placed in transit 04 - Offline circulation return 05 - Loan deleted 11 - Staff renewal 12 - Web renewal 13 - Batch renewal 14 - Self Check renewal 15 - Courtesy letter created 16 - Overdue letter created 17 - Loan declared lost 18 - Loan claimed returned 19 - Online recall 20 - Batch recall 21 - Recall cancelled 22 - Due date changed backward 23 - Due date changed forward 24 - Return date changed

			26 - Self check cancel renewal 27 - Self check cancel loan 28 - Loan to sponsor 29 - Not On Loan Return 30 - In House Use 50 - Log cash note 51 - Cash transaction created 52 - Cash transaction fully paid 53 - Cash transaction partially paid 54 - Cash transaction fully waived 55 - Cash transaction partially waived 56 - Cash transaction exported 57 - Cash transaction imported 58 - Cash transaction updated to paid (batch) 59 - Notice to patron of money owed 60 - Self check cancel return
Z309-OVERRIDE	M		<b>DESC:</b> A Y/N flag that indicates whether the logged action was performed when login override was in effect. <b>CONV:</b> Y for all actions that were performed while login override was in effect. N for all actions that were performed when login override was not in effect
Z309-TEXT	O	X(50)	<b>DESC:</b> Description of the action defined in the library's table tab_circ_log.lng. (e.g. "Regular loan") <b>CONV:</b> Relevant string or blanks
Z309-DATA	O	X(2000)	<b>DESC:</b> Expanded description of the logged transaction defined in the circ_logger file of the alephe/error_lng directory. <b>CONV:</b> Relevant string or blanks.