List of Oracle Tables

Version 21

CONFIDENTIAL INFORMATION

The information herein is the property of Ex Libris Ltd. or its affiliates and any misuse or abuse will result in economic loss. DO NOT COPY UNLESS YOU HAVE BEEN GIVEN SPECIFIC WRITTEN AUTHORIZATION FROM EX LIBRIS LTD.

This document is provided for limited and restricted purposes in accordance with a binding contract with Ex Libris Ltd. or an affiliate. The information herein includes trade secrets and is confidential.

DISCLAIMER

The information in this document will be subject to periodic change and updating. Please confirm that you have the most current documentation. There are no warranties of any kind, express or implied, provided in this documentation, other than those expressly agreed upon in the applicable Ex Libris contract. This information is provided AS IS. Unless otherwise agreed, Ex Libris shall not be liable for any damages for use of this document, including, without limitation, consequential, punitive, indirect or direct damages.

Any references in this document to third-party material (including third-party Web sites) are provided for convenience only and do not in any manner serve as an endorsement of that third-party material or those Web sites. The third-party materials are not part of the materials for this Ex Libris product and Ex Libris has no liability for such materials.

TRADEMARKS

"Ex Libris," the Ex Libris bridge , Primo, Aleph, Alephino, Voyager, SFX, MetaLib, Verde, DigiTool, Preservation, URM, Voyager, ENCompass, Endeavor eZConnect, WebVoyage, Citation Server, LinkFinder and LinkFinder Plus, and other marks are trademarks or registered trademarks of Ex Libris Ltd. or its affiliates.

The absence of a name or logo in this list does not constitute a waiver of any and all intellectual property rights that Ex Libris Ltd. or its affiliates have established in any of its products, features, or service names or logos.

Trademarks of various third-party products, which may include the following, are referenced in this documentation. Ex Libris does not claim any rights in these trademarks. Use of these marks does not imply endorsement by Ex Libris of these third-party products, or endorsement by these third parties of Ex Libris products.

Oracle is a registered trademark of Oracle Corporation.

UNIX is a registered trademark in the United States and other countries, licensed exclusively through X/Open Company Ltd.

Microsoft, the Microsoft logo, MS, MS-DOS, Microsoft PowerPoint, Visual Basic, Visual C++, Win32,

Microsoft Windows, the Windows logo, Microsoft Notepad, Microsoft Windows Explorer, Microsoft Internet Explorer, and Windows NT are registered trademarks and ActiveX is a trademark of the Microsoft Corporation in the United States and/or other countries.

Unicode and the Unicode logo are registered trademarks of Unicode, Inc.

Google is a registered trademark of Google, Inc.

Copyright Ex Libris Limited, 2012. All rights reserved.

Document released: August 5, 2012

Web address: http://www.exlibrisgroup.com

Oracle tables in ALEPH are created and updated automatically by the system during the workflow. The conversion process includes the creation of some of the tables. There are three types of tables:

- Tables that during conversion are either prepared as flat text files that allow direct import into Oracle or are generated by special conversion programs.
- Tables generated by standard ALEPH services (for example, the Z01 is created by the Update Headings Index service).
- Tables that serve the ongoing system and must not be created during the conversion process; these tables are generated by the system (for example, the Lock Record table – Z60).

Note that it is possible to retrieve data from separate libraries especially in order to retrieve short-doc information from the bibliographic library for records retrieved from the administrative library. The Z103 table provides the link between the two libraries. For an example of an SQL query that retrieves data from both libraries, refer to the example at the end of this document.

The following is the list of the ALEPH Oracle tables:

TABLE	DESCRIPTION	DOCUMENTATION STATUS	CREATION
Z00	Documents	Done	Conversion – Mandatory
Z00P	Published Documents	Done	Batch Process: Initial Publishing Process (publish-04).
Z00E	My e-Shelf External Documents	Done	Conversion (see Z00).
Z00H	Deleted documents	Done (see Z00)	System
Z00R	Fields from document	Done	Batch process: Short Bibliographic Records (p_manage_07)
Z00T	History of changed document fields	Done	fix_doc_track fix routine
Z01	Headings	Done	Batch process: Heading Index (p_manage_02)
Z01X	Headings -Keyword Search	Done (see Z01)	Activation script: p_fill_z01x XXX01

Z0101	Brief records	Done	Batch process: Build Brief Records (p_manage_35)
Z0102	Counter for logical bases	Done	Batch process: Build Counters for Logical Bases (p_manage_32).
Z02	Accdoc	Done	Batch process: Heading Index (p_manage_02)
Z05	Set	Not applicable	System
Z07	Update doc (1)	Done	System
Z07P	Publishing Update Doc	Done	System
Z07A	Update doc (2)	Done (see Z07)	System
Z08	Serial publication cycle (prediction pattern)	Done	Conversion
Z09	Issue text for prediction pattern	Done	Conversion
Z11	Direct Index	Done	Batch process: Update Direct Index (p_manage_05)
Z12	Serials prediction pattern	Done	Virtual record
Z13	Short doc	Done	Batch process: Short Bibliographic Record (p_manage_07)
Z13U	Short doc (user defined fields)	Done	Batch process: Short Bibliographic Record (p_manage_07)
Z14	Members of routing lists	Done	Conversion
Z16	Subscription information	Done	Conversion
Z18	Routing list	Done	Conversion
Z20	Serials claim	Done	Conversion
Z22	Routing trace	Done	Conversion
Z30	Items	Done	Conversion – Mandatory
Z30H	Items – History	Done	Conversion
Z31	Cash	Done	Conversion
Z34	IP statistics	Done	System
Z35	Events	Done	Conversion
Z36	Loans	Done	Conversion
Z36H	Loans – History	Done	Conversion
Z37	Hold requests	Done	Conversion
Z37H	Hold requests – History	Done	Conversion

Z38	Photocopy requests	Done	Conversion
Z50	Time stamp - for the internal manipulation of data and record locking processes (currently used to control Z30 records). Note: must be defined in the file_list of the ADM (XXX50) library.	Not applicable	System
Z52	Sequence	Done	System
Z56	ADAM session information	Not Applicable	System
Z60	Record lock Note: must be defined in the file_list of VIR01.	Not applicable	System
Z61	Patron profile	Done	Create online
Z62	User's budget authorizations	Done	Conversion
Z63	Session (OPAC)	Not applicable	System
Z64	Session (Staff)	Not applicable	System
Z65	Date line	Not applicable	System
Z66	Passwords	Done	Create online
Z67	User permission	Done	Create online
Z68	Order	Done	Conversion
Z69	OPAC events	Done	Conversion
Z70	Vendor	Done	Conversion
Z71	Order and subscription log	Done	Conversion
Z72	Vendor address	Done	Conversion
Z73	OCLC server log	Not Applicable	System
Z74	EDI load log	Done	System
Z75	Invoice payment (Line item)	Done	Conversion
Z76	Budget	Done	Conversion
Z77	Invoice header (General invoice)	Done	Conversion
Z78	Arrival information	Done	Conversion
Z79	Order index	Done	Batch process: Rebuild Order Index (p_acq_04)
Z82	Currency	Done	Create online
Z83	Currency information	Done	Create online
Z91	Full text index for digital objects	Not Applicable	Batch process: Update Full Text Index (p_manage_91)
Z95	Words per document	Not applicable	Batch process: Word Index (p_manage_01)
Z96	Words – virtual record	Not applicable	Batch process: Word Index (p_manage_01) (Virtual)

Z97	Word dictionary	Done	Batch process: Word Index (p_manage_01)
Z98	Word-Document relation	Not applicable	Batch process: Word Index (p_manage_01)
Z980	Cache of bitmap updates	Not applicable	Batch process: Word Index (p_manage_01)
Z100	Batch Jobs	Done	System
Z101	Sort	Done	Batch process: Sort Index (p_manage_27)
Z103	Links – LKR	Done	Batch process: Links Between Records (p_manage_12)
Z104	Triggers	Done	Conversion
Z105	Messages between libraries	Done	System
Z105H	Messages between libraries - History	See Z105	System
Z106	CAT field	Done	Batch process: Create/Update Z106 for "CAT" Field (p_manage_19)
Z107	e-Reserves course enrollments	Done	Batch process: Manage Database Tables - ALEPH Upload Utility (p_file_06)
Z108	Course reading	Done	Conversion
Z110	Result set – OPAC	Not applicable	System
Z111	Keywords	Done	Batch process: Build Search Words for a Record (p_manage_111)
Z112	Values for Fixed Length Forms	Done	Import Database Tables - With Checks (file-06)
Z113	Chinese-Pinyin word dictionary	Done	Not applicable. The table is available with the ALEPH installation

Z114	Chinese-Pinyin word dictionary	Not Applicable	Not applicable. The table is available with the ALEPH installation
Z120	Union Catalog agglomerated record	Done	System
Z123	History – OPAC	Done	System
Z127	Union Catalog	Done	System
Z129	e-Shelf	Done	Conversion
Z200	Items working set	Done	System
Z300	Item record (bibliographic database)	Done	System
Z301	Due dates	Done	System
Z302	Virtual record created from Z303 and Z304	Not applicable	System (Virtual)
Z303	Patrons	Done	Conversion
Z304	Addresses	Done	Conversion
Z305	Local patron information	Done	Conversion
Z308	Patron ID	Done	Conversion
Z309	Circulation Logger	Done	Conversion
Z310	Reading room	Done	Not applicable
Z311	Location/Inventory number index – highest values	Done	Batch process: p_manage_28 (must be run from the server)
Z313	Inventory Numbers	Done	Conversion
Z320	Advance booking – time slots	Done	Batch process: Open Reserve Item Schedules (p_cir_60)
Z321	Advance booking – status	Done	Batch process: Open Reserve Item Schedules (p_cir_60)
Z323	RSS Feeds for SDI	Done	System
Z324	SDI Ready record	Done	System
Z325	SDI – Patron profile	Done	Not applicable
Z327	Maintenance Profile	Done	Conversion
Z328	Maintenance Record	Done	Conversion
Z353	Patrons index	Done	Batch process: Build Patron Indexes (p_cir_25).
Z370	Title Requests	Done	Conversion
Z370H	Title Requests History	Done	Conversion
Z403	Object Data	Done	Conversion
Z410	ILL Borrowing - Patron Request	Done	Conversion
Z411	ILL Borrowing - Request To Supplier	Done	Conversion
Z413	ILL Customer ID	Done	Conversion

Z415	ILL Log	Done	Conversion
Z416	ILL Lending Request	Done	Conversion
Z418	ILL Copyright (US Mode)	Done	Conversion
Z501	Acquisition claims	Done	Conversion
Z601	Transactions – Budget	Done	Conversion
Z602	Sublibrary / Ordering unit	Done	Conversion
Z700	ILL Partner	Done	Conversion
Z701	ILL Roster of Potential Suppliers	Done	Conversion
Z705	ILL Unit's Alias	Done	Conversion
Z970	Synonyms	Done	Conversion

Note: Only the Oracle tables that have been updated for version 20.01 are located in the Aleph 20.01 folder. For all other Oracle tables, see the version 19 folder.

Example of an SQL query:

```
SELECT '#'          ||CHR(10)||
       'USM01'      ||CHR(10)||
       Z13_REC_KEY  ||CHR(10)||
       Z13_TITLE    ||CHR(10)||
       Z13_AUTHOR
FROM USM01.Z13,
     Z103, Z36
WHERE Z13_REC_KEY = Z103_LKR_DOC_NUMBER
  AND Z103_LKR_LIBRARY = 'USM01'
  AND SUBSTR(Z36_REC_KEY,1,9) = SUBSTR(Z103_REC_KEY,6,9);
```

This example retrieves the short-doc (Z13) of the USM01 (bibliographic library) for loans (Z36) retrieved from the administrative library. The Z103 table provides the link between the bibliographic and the administrative library.