



Voyager Index Changes

Version 9.2

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 to Knowledge, Primo, Aleph, Voyager, SFX, MetaLib, Verde, DigiTool, Rosetta, bX, URM, Alma, 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, 2015. All rights reserved.

Document released: November 2015

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

Table of Contents

1	Introduction	5
	Purpose of This Document	5
	Reason for Reissue	6
2	Preparing for Index Changes	7
	Background	7
	<i>Description</i>	7
	<i>What Causes Index Conflicts?</i>	7
	<i>What If I Have No Index Conflicts?</i>	8
	Types of Indexes	8
	<i>Description</i>	8
	Upgrade Process	9
	<i>Description</i>	9
	SEARCHPARM Table Definitions	10
	<i>Description</i>	10
	How to Resolve Index Conflicts	11
	<i>Description</i>	11
3	Authority Index Changes in Voyager 9.2	13
	Background	13
	<i>Description</i>	13
	<i>What Causes Index Conflicts?</i>	13
	<i>What If I Have No Index Conflicts?</i>	14
	Upgrade Process	14
	<i>Description</i>	14
	How to Resolve Index Conflicts	16
	<i>Description</i>	16
4	Voyager Indexes	17
	New and Updated Indexes	17
	<i>Description</i>	17
	<i>New Authority Left-Anchored Indexes</i>	17

<i>New Authority Left-Anchored Indexes in Voyager 9.2</i>	19
<i>New Bibliographic Left-Anchored Indexes</i>	20
<i>Updated Bibliographic Left-Anchored Indexes</i>	21
<i>New Bibliographic Composite Indexes</i>	23
<i>Updated Bibliographic Composite Indexes</i>	23
<i>Updated Bibliographic Keyword Indexes</i>	25
<i>Updated Headings Indexes: OPAC and Staff Name/Title</i>	
<i>Headings (AHED/AUTH) Indexes – Bibliographic Fields</i>	28
<i>Updated Headings Indexes: OPAC and Staff Name/Title</i>	
<i>Headings (AHED/AUTH) Indexes – Authority Fields</i>	29
<i>Updated Headings Indexes: OPAC and Staff Name Headings</i>	
<i>(NHED/NAME) Indexes – Bibliographic Fields</i>	30
<i>Updated Headings Indexes: OPAC and Staff Subject Headings</i>	
<i>(SHED/SUBJ) Indexes – Bibliographic Fields</i>	30
<i>Reference to Technical Documentation</i>	31
New Search Limits	31
<i>Description</i>	31
<i>Implementation Notes</i>	31
<i>Reference to Technical Documentation</i>	31

1

Introduction

Voyager 8.2 introduced many changes to the standard Voyager indexes. Many of these index changes were made in preparation for libraries to implement Resource Description and Access (RDA) cataloging rules. The corresponding MARC fields were added to the MARC 21 and OCLC tag tables in Voyager releases 7.2.0, 7.2.3, 8.0, and 8.2.

Additional authority index changes have been implemented in Voyager 9.2 to enable libraries to use headings indexes for duplicate detection.

Libraries that have already implemented the index changes in Voyager 8.2 in a release up to (and including) Voyager 9.1, need only review the latest index changes made in Voyager 9.2. Libraries that are upgrading from a release before Voyager 8.2 should review all of the index changes in this document.

Purpose of This Document

This document lists the various index changes that are new in Voyager 8.2 and Voyager 9.2, and describes what happens to the indexes during the upgrade process.

Libraries may have customized their Voyager indexes in a previous release. Prior to your upgrade, each index to be added or changed will be checked against your current index definitions.

If there are no conflicts in your indexes, the upgrade can proceed without any additional information.

If there are conflicts, the library will be able to review an Excel worksheet to decide which index definitions should be applied during the upgrade. The library's decision will be entered in the Excel worksheet, and then the worksheet must be renamed and placed on the Voyager server prior to the upgrade. The upgrade process will use this conflict resolution worksheet to insert your preferred index definitions into Voyager during the upgrade.

Note: If there is no worksheet – either because there were no conflicts or the library did not provide the modified worksheet prior to the upgrade – the recommended default index definitions will be applied during the upgrade process.

A full index regen will be performed at the conclusion of the upgrade.

These index changes will apply to all customers that upgrade to Voyager 8.2 or any later version of the Voyager software.

You can find detailed information listed under the following topics:

- [Preparing for Index Changes](#) on page [7](#)
- [Authority Index Changes in Voyager 9.2](#) on page [13](#)
- [Voyager Indexes](#) on page [17](#)

Reason for Reissue

The definition of the Subject: Faceted index (654H) was changed in Voyager 9.0.

Thirteen new authority left-anchored authority indexes were added in Voyager 9.2.

2

Preparing for Index Changes

Background

Description

Ex Libris provides a search parm check script that will review your library's indexes to see if there are any conflicts. The check script may be run by Ex Libris when you open an upgrade incident. The search parm check script is also included in the pre-installation tasks in the Voyager Installation Kit (VIK) and will be run as part of the general system checks. Ex Libris recommends that the search parm check script be run at least three weeks before your upgrade in order to provide time to resolve any index conflicts that may be identified.

What Causes Index Conflicts?

Some Voyager customers contracted with Ex Libris to create special, custom indexes. These indexes provide functionality for searching required by these sites. Some of these custom-defined indexes may conflict with one of the new indexes or index updates that are included in Voyager 8.2.

If a library has a customized version of an index, it may be identified as a conflict. Three conditions must be met for the index definition to be considered a conflict:

1. The index must be one that Ex Libris is going to add or update in Voyager. The index code is used to identify indexes that Ex Libris is going to add or update in Voyager.
2. The definition of the custom index must be different from the expected definition of the index in Voyager. For comparison, the index definition from Voyager 8.1.2 will be used as the expected definition.
3. The customized version must be different from the new default definition that will be applied during the Voyager 8.2 upgrade. If your custom index is defined the same as the new Voyager default index, it will not be considered a conflict.

If all three of these conditions are met, then the index will be considered a conflict and it will be listed on the SEARCHPARAM_conflicts.xls worksheet for you to review.

It is possible that the system check will identify an index as a conflict, even if you have never customized your Voyager indexes. This may occur if the default index definition in Voyager has changed since your system was implemented. This may be the case if an index was changed by an enhancement or by the fix to a software defect. In these cases, a conflict is generally no cause for alarm, although it will still be listed as a conflict for your review.

What If I Have No Index Conflicts?

After the system check has been performed, it is possible that you will not have any index conflicts.

If no conflicts are found, then no 'SEARCHPARAM_conflicts.xls' file will be created. If there is no SEARCHPARAM_conflicts.xls file, then there is no need to create a SEARCHPARAM_resolved.xls file either.

If this is the case, you will not need to make any additional decisions about indexes prior to your upgrade. The recommended default indexes will be applied during the upgrade process.

No further action regarding your indexes is necessary.

Types of Indexes

Description

Voyager has the following types of indexes:

- Left anchored (LAN) indexes (bibliographic and authority)
- Composite indexes (bibliographic only)
- Keyword indexes (bibliographic, holdings, and headings)
- Combined browse indexes (bibliographic and authority)
- Links between bibliographic and authority combined browse indexes

Left-anchored and composite index definitions are stored in the SEARCHPARAM table. Keyword index definitions are stored in the SEARCHFIELDS table. The upgrade to Voyager 8.2 and higher will make updates to these tables.

Upgrade Process

Description

During the pre-installation system checks (step 1.2 in the VIK), the existing SEARCHPARAM table in your database will be compared to a set of index definitions that we expect to find in your Voyager database prior to 8.2. This check is done to determine if you have any custom search indexes.

If this check determines that there are custom index definitions in your SEARCHPARAM table, it will identify these.

When an index definition in your SEARCHPARAM table conflicts with the default index definition we expect to find prior to upgrade, it is written to an Excel spreadsheet. This spreadsheet will be created and stored in **/m1/voyager/xxxdb/tmp/SEARCHPARAM_conflicts.xls**.

Each production and training database will be checked separately, and a separate SEARCHPARAM_conflicts.xls worksheet may be generated for each of them.

You will ftp a copy of SEARCHPARAM_conflicts.xls to your PC to review the conflicts and make decisions about your index definitions. You must leave the file in Excel 2003 format (that is, with an .xls extension) rather than changing it to Excel 2007 or 2010 format (with an .xlsx extension).

The SEARCHPARAM_conflicts.xls file will show you your customized search index and the default that the upgrade would put in place. You will decide which index you would like the upgrade to insert and modify the resulting SEARCHPARAM_conflicts.xls list. See the section below (“How to Resolve Index Conflicts”) for more information.

Once changes have been made to the SEARCHPARAM_conflicts.xls, change the name of the file to **SEARCHPARAM_resolved.xls** and ftp it back to your server in the same directory, / m1/voyager/xxxdb/tmp. Leave the SEARCHPARAM_conflicts.xls file untouched.

The SEARCHPARAM_resolved.xls file will be used during your upgrade via the VIK to update the SEARCHPARAM table. If you are going to supply a SEARCHPARAM_resolved.xls file, it needs to be uploaded to your server prior to running the upgrade. The VIK will provide a warning during step 6.6 – Performing Pre-Upgrade Tasks (Voyager) – if the SEARCHPARAM_resolved.xls file cannot be found.

If the upgrade process cannot read your SEARCHPARAM_resolved.xls file or does not find a resolved file during the upgrade, the recommended Voyager index defaults will be applied.

If you have problems uploading the SEARCHPARAM_resolved.xls file to your server prior to your upgrade, contact your upgrade engineer or open a new support incident through the Ex Libris Support Portal.

Note: The SEARCHPARAM_resolved.xls can only be used to add or update indexes that are listed by Ex Libris. It does not allow customers to add additional custom indexes to the Voyager database.

Important: Only index conflicts for left-anchored and composite indexes will be shown in the conflicts worksheet. Regardless of whether you have conflicts or not, the full set of index changes will be applied to your database during the upgrade. This includes changes that were not index conflicts, as well as headings and keyword index changes.

Note: If no index conflicts exist, a SEARCHPARAM_conflicts.xls file will not be created; and there is no need to put a SEARCHPARAM_resolved.xls file on the server before the upgrade. If you have index conflicts, but do not provide a SEARCHPARAM_resolved.xls for use during the upgrade, the recommended Voyager index defaults will be used.

The changes to the keyword indexes will automatically update the SEARCHFIELDS table during the upgrade. If further changes need to be made, libraries can edit these indexes via System Administration after the upgrade has been completed.

SEARCHPARAM Table Definitions

Description

The SEARCHPARAM_conflicts.xls contains data from the SEARCHPARAM table in your database. It contains SEARCHPARAM column data such as the search code, search name, and index rules.

Code	Name	Index Rules
6500	LCSH	<i>IX=B AL=650 S+=abcdevxyz4 2+=0 NM=juapih</i>

Voyager's index rules are defined in a series of segments. The IX= specifies the index type. The AL= specifies the MARC tag. The next segment (S+=) defines which subfields are indexed. This is followed by the nonfiling characters (2+=) and normalization (NM=) rules.

In your SEARCHPARAM_resolved file, it is important that you only modify the subfields to be indexed in the Index Rules and leave all other fields as they are defined in the worksheet. You cannot update the display label, display fields, sort order, z39.50 attribute, suppress status, or count fields with this worksheet.

Index Rules

*IX=B AL=650 S+=abcdefghijklmnopqrstuvwxyz4 2+=0
NM=juapih*

Index types in Voyager:

- A – Authority Left-anchored Index
- B – Bibliographic Left-anchored Index
- C – Composite Index
- E – Name/Title Index
- F – Faceted Index
- K – Keyword Index
- N – Name Index
- S – Subject Index
- T – Title Index
- U – Call Number Index (from MFHD)

During the upgrade, only index types (IX=) A, B, and C are relevant in the SEARCHPARAM_conflicts and SEARCHPARAM_resolved worksheets.

How to Resolve Index Conflicts

Description

Each index conflict is shown as a pair of entries in the SEARCHPARAM_conflicts.xls worksheet. The first line represents the new default definition for 8.2. The second line represents what currently is defined for this index in your SEARCHPARAM table. In the SEARCHPARAM_resolved.xls file, there should be only one entry for each unique Code field.

The table below shows an example SEARCHPARAM_conflicts.xls worksheet. The first two lines represent a pair of index definitions for the 6500 field index. The second two lines represent what you might see if Ex Libris is adding an index and the user database already uses that same code. Since 338A is a new index that Ex Libris is adding and the code is already in use, there is a conflict that must be resolved.

	Code	Name	Index Rules
<i>UPDATE</i>	<i>6500</i>	<i>LCSH</i>	<i>IX=B AL=650 S+=abcdvxyz4 2+=0 NM=juapih</i>
<i>UPDATE</i>	<i>6500</i>	<i>LCSH</i>	<i>IX=B AL=650 S+=abcdevxyz9 2+=0 NM=juapih</i>
<i>NEW</i>	<i>338A</i>	<i>Carrier</i>	<i>IX=B AL=338 S+=a NM=juapih</i>
<i>UPDATE</i>	<i>338A</i>	<i>RDACarrier</i>	<i>IX=B AL=338 S+=ab NM=juapih</i>

Your institution should choose one line from each pair and delete the unwanted line to resolve the conflict for each index. The value in the first column (such as UPDATE and NEW) does not matter to the SEARCHPARM_resolved.xls file, but the number of columns should not be changed.

In the example above, you would select one of the 6500 entries and one of the 338A entries. In this example, the institution previously added subfield 9 to the 6500 index, and the default that Voyager 8.2.0 uses includes subfield 4. Your institution may want to keep the subfield 9 and add the subfield 4 to the updated index. The line below illustrates how this would look in the resolved file. The institution is choosing to use the Voyager 8.2.0 default version of the 338A index.

	Code	Name	Index Rules
<i>UPDATE</i>	<i>6500</i>	<i>LCSH</i>	<i>IX=B AL=650 S+=abcdevxyz49 2+=0 NM=juapih</i>
<i>NEW</i>	<i>338A</i>	<i>Carrier</i>	<i>IX=B AL=338 S+=a NM=juapih</i>

Once you have resolved the conflicts, simply rename the worksheet as described above and put it back on the server prior to the upgrade. Your preferred index definitions will be applied during the upgrade.

Note: If you do not provide a modified SEARCHPARM_resolved.xls for use during the upgrade, the recommended Voyager index defaults will be used.

3

Authority Index Changes in Voyager 9.2

Background

Description

Several new authority indexes have been added to Voyager 9.2 to enable libraries to use headings for duplicate detection when loading and processing authority record updates. These new indexes are listed in the table of New Authority Left-anchored Indexes in Voyager 9.2 in the next chapter.

Ex Libris provides a check script that will review your library's indexes to see if there are any conflicts with the new indexes that will be added during your upgrade. The check script is included in the pre-installation tasks in the Voyager Installation Kit (VIK) and will be run as part of the general system checks. Ex Libris recommends that the check script be run at least three weeks before your upgrade in order to provide time to resolve any index conflicts that may be identified.

Note: Customers who are upgrading from Voyager 8.2 or higher have already implemented the majority of the index changes in this document, and should only be concerned with the new authority indexes added in Voyager 9.2.

What Causes Index Conflicts?

Some Voyager customers contracted with Ex Libris to create special, custom indexes. These indexes provide functionality for searching required by these sites. Some of these custom-defined indexes may conflict with one of the new indexes that are included in Voyager 9.2.

If a library has a customized version of an index, it may be identified as a conflict. Three conditions must be met for the index definition to be considered a conflict:

1. The index must be one that Ex Libris is going to add in Voyager. The index code is used to identify indexes that Ex Libris is going to add to Voyager.
2. A custom index must be defined in Voyager. Since all of the authority indexes are new to Voyager, we expect that the index code is not already in use.
3. The customized version must be different from the new default definition that will be applied during the Voyager 9.2 upgrade. If your custom index is defined the same as the new Voyager default index, it will not be considered a conflict.

If all three of these conditions are met, then the index will be considered a conflict and it will be listed on the **SEARCHPARAM_A1XX_conflicts.xls** worksheet for you to review.

It is possible that the system check will identify an index as a conflict, even if you have never customized your Voyager indexes. This may occur if the default index definition in Voyager has changed since your system was implemented. In these cases, a conflict is generally no cause for alarm, although it will still be listed as a conflict for your review.

What If I Have No Index Conflicts?

After the system check has been performed, it is likely that you will not have any index conflicts.

If no conflicts are found, then no 'SEARCHPARAM_A1XX_conflicts.xls' file will be created. If there is no SEARCHPARAM_A1XX_conflicts.xls file, then there is no need to create a SEARCHPARAM_A1XX_resolved.xls file either.

If this is the case, you will not need to make any additional decisions about indexes prior to your upgrade. The recommended default indexes will be applied during the upgrade process.

No further action regarding your indexes is necessary.

Upgrade Process

Description

During the pre-installation system checks (step 1.2 in the VIK), the existing SEARCHPARAM table in your database will be compared to a set of index definitions that we expect to find in your Voyager database prior to 9.2. This check is done to determine if you have any custom authority indexes.

If this check determines that there are custom index definitions in your SEARCHPARAM table, it will identify these.

When an index definition in your SEARCHPARAM table conflicts with the default index definition we expect to find prior to upgrade, it is written to an Excel spreadsheet. This

spreadsheet will be created and stored in
/m1/voyager/xxxdb/tmp/SEARCHPARAM_A1XX_conflicts.xls.

Each production and training database will be checked separately, and a separate SEARCHPARAM_A1XX_conflicts.xls worksheet may be generated for each of them.

You will ftp a copy of SEARCHPARAM_A1XX_conflicts.xls to your PC to review the conflicts and make decisions about your index definitions. You must leave the file in Excel 2003 format (that is, with an .xls extension); do not change it to Excel 2007 or 2010 format (with an .xlsx extension).

The SEARCHPARAM_A1XX_conflicts.xls file will show you your customized search index and the default that the upgrade would put in place. You will decide which index you would like the upgrade to insert and modify the resulting SEARCHPARAM_A1XX_conflicts.xls list. See the section below (“How to Resolve Index Conflicts”) for more information.

Once changes have been made to the SEARCHPARAM_A1XX_conflicts.xls, change the name of the file to **SEARCHPARAM_A1XX_resolved.xls** and ftp it back to your server in the same directory, / m1/voyager/xxxdb/tmp. Leave the SEARCHPARAM_A1XX_conflicts.xls file untouched.

The SEARCHPARAM_A1XX_resolved.xls file will be used during your upgrade via the VIK to update the SEARCHPARAM table. If you are going to supply a SEARCHPARAM_A1XX_resolved.xls file, it needs to be uploaded to your server prior to running the upgrade. The VIK will provide a warning during step 6.6 – Performing Pre-Upgrade Tasks (Voyager) – if the SEARCHPARAM_A1XX_resolved.xls file cannot be found.

If the upgrade process cannot read your SEARCHPARAM_A1XX_resolved.xls file or does not find a resolved file during the upgrade, the recommended Voyager index defaults will be applied.

If you have problems uploading the SEARCHPARAM_A1XX_resolved.xls file to your server prior to your upgrade, contact your upgrade engineer or open a new support incident through the Ex Libris Support Portal.

Note: If no index conflicts exist, a SEARCHPARAM_A1XX_conflicts.xls file will not be created and there is no need to put a SEARCHPARAM_A1XX_resolved.xls file on the server before the upgrade. If you have index conflicts, but do not provide a SEARCHPARAM_A1XX_resolved.xls for use during the upgrade, the recommended Voyager index defaults will be used.

How to Resolve Index Conflicts

Description

Each index conflict is shown as a pair of entries in the SEARCHPARAM_conflicts.xls worksheet. The first line represents the new default definition for 9.2. The second line represents what currently is defined for this index in your SEARCHPARAM table. In the SEARCHPARAM_A1XX_resolved.xls file, there should be only one entry for each unique Code field.

The table below shows an example SEARCHPARAM_A1XX_conflicts.xls worksheet. The two lines represent what you might see if Ex Libris is adding an index and the user database already uses that same code. Since A100 is a new index that Ex Libris is adding and the code is already in use, there is a conflict that must be resolved.

	Code	Name	Index Rules
<i>NEW</i>	<i>A100</i>	<i>Auth Personal Name (100)</i>	<i>IX=A AL=100 S+=abcdefghijklmnopqrstvxyz NM=juapih</i>
<i>UPDATE</i>	<i>A100</i>	<i>Auth Personal Name</i>	<i>IX=A AL=100 S+=abcdvxyz NM=juapih</i>

Your institution should choose one line from each pair and delete the unwanted line to resolve the conflict for each index. The value in the first column (i.e. NEW) does not matter to the SEARCHPARAM_A1XX_resolved.xls file, but the number of columns should not be changed.

In the example above, you would select one of the A100. The line below illustrates how this would look in the resolved file. The library is choosing to use the Voyager 9.2 default version of the A100 index.

	Code	Name	Index Rules
<i>NEW</i>	<i>A100</i>	<i>Auth Personal Name (100)</i>	<i>IX=A AL=100 S+=abcdefghijklmnopqrstvxyz NM=juapih</i>

Once you have resolved the conflicts, simply rename the worksheet as described above and put it back on the server prior to the upgrade. Your preferred index definitions will be applied during the upgrade.

Note: If you do not provide a modified SEARCHPARAM_A1XX_resolved.xls for use during the upgrade, the recommended Voyager index defaults will be used.

4

Voyager Indexes

New and Updated Indexes

Description

Numerous changes have been made to the Voyager indexes. Ninety-seven indexes will be either added or updated in this release. Many of these are new left-anchored indexes created to support MARC fields added to implement RDA.

The indexes cover a range of authority and bibliographic fields, along with updates to two bibliographic composite indexes, four bibliographic keyword indexes, and six headings indexes in Voyager.

New Authority Left-Anchored Indexes

Index Name	Index Code	Subfields Indexed
Auth ISSN (022a)	A22A	022 a
Auth ISSN (022y): Incorrect	A22Y	022 y
Auth ISSN (022z): Canceled	A22Z	022 z
Auth ISSN-L (022l)	A22L	022 l
Auth ISSN-L (022m): Canceled	A22M	022 m
Auth Other Std. Ident.(024a)	A24A	024 a
Auth Other Std. Ident.(024z): Canc/Invld	A24Z	024 z
Auth Geographic Area Code (043a)	A43A	043 a

Index Name	Index Code	Subfields Indexed
Auth Birth Date (046f)	A46F	046 f
Auth Death Date (046g)	A46G	046 g
Auth Begin or single date (046k)	A46K	046 k
Auth End Date (046l)	A46L	046 l
Auth Content Type Term (336a)	A36A	336 a
Auth Content Type Code (336b)	A36B	336 b
Auth Place of Birth (370a)	A70A	370 a
Auth Place of Death (370b)	A70B	370 b
Auth Associated Country (370c)	A70C	370 c
Auth Place of Resid/Hqrs (370e)	A70E	370 e
Auth Other Assoc Place (370f)	A70F	370 f
Auth Place of Origin of Work (370g)	A70G	370 g
Auth Field of Activity (372a)	A72A	372 a
Auth Associated Group (373a)	A73A	373 a
Auth Occupation (374a)	A74A	374 a
Auth Type of Family (376a)	A76A	376 a
Auth Language Code (377a)	A77A	377 al
Auth Form of Work (380a)	A80A	380 a
Auth Other Distinguishing Char (381a)	A81A	381 a
Auth Medium of Performance (382a)	A82A	382 a
Auth Key (384a)	A84A	384 a
Auth Personal Name (700)	A700	700 abcdefghijklmnopqrstvxyz2

Index Name	Index Code	Subfields Indexed
Auth Corporate Name (710)	A710	710 abcdefghklmnoprstvxyz2
Auth Meeting Name (711)	A711	711 acdefghjklnpqstvxyz2
Auth Uniform Title (730)	A730	730 adfghklmnoprstvxyz2
Auth Chronological Term (748)	A748	748 avxyz2
Auth Topical Term (750)	A750	750 abvxyz2
Auth Geographic Name (751)	A751	751 avxyz2
Auth Genre/Form Term (755)	A755	755 avxyz2
Auth General Subdivision (780)	A780	780 vxyz2
Auth Geographic Subdivision (781)	A781	781 vxyz2
Auth Chronological Subdivision (782)	A782	782 vxyz2
Auth Form Subdivision (785)	A785	785 vxyz2
Auth Complex Linking Entry (788)	A788	788 a2

Note: Searching the authority left-anchored indexes in the Cataloging client shows the indexed field and the corresponding authorized heading in the results list. Authority left-anchored indexes cannot be used in WebVoyage.

New Authority Left-Anchored Indexes in Voyager 9.2

Index Name	Index Code	Subfields Indexed
Auth Personal Name (100)	A100	100 abcdefghijklmnopqrstvxyz
Auth Corporate Name (110)	A110	110 abcdefghklmnoprstvxyz
Auth Meeting Name (111)	A111	111 abcdefghjklnpqstvxyz
Auth Uniform Title (130)	A130	130 abcdfghklmnoprstvxyz
Auth Chronological Term (148)	A148	148 avxyz

Index Name	Index Code	Subfields Indexed
Auth Topical Term (150)	A150	150 abgvxyz
Auth Geographic Name (151)	A151	151 abgvxyz
Auth Genre/Form Term (155)	A155	155 avxyz
Auth Med of Perf Term (162)	A162	162 a
Auth General Subdivision (180)	A180	180 vxyz
Auth Geographic Subdivision (181)	A181	181 vxyz
Auth Chron Subdivision (182)	A182	182 vxyz
Auth Form Subdivision (185)	A185	185 vxyz

New Bibliographic Left-Anchored Indexes

Index Name	Index Code	Subfields Indexed
ISSN, Linking (022L) <	022L	022 l
ISSN, Linking/Incorrect (022M) <	022M	022 m
Geographic Area Code (043A) <	043A	043 a
Content Type: Term (336A) <	336A	336 a
Content Type: Code (336B) <	336B	336 b
Media Type: Term (337A) <	337A	337 a
Media Type: Code (337B) <	337B	337 b
Carrier Type: Term (338A) <	338A	338 a
Carrier Type: Code (338B) <	338B	338 b
Subject: Hierarchical Place (6620) <	6620	662 abcdefgh24
Subject: Hierarchical Place (6621) <	6621	662 bcdefgh24

Updated Bibliographic Left-Anchored Indexes

Index Name	Index Code	Expected Index Definition	Subfields Added	New Index Definition
Personal Name	100H	100 abcdefghijklmnopqtu	100 j4	100 abcdefghijklmnopqtu4
Conference	111H	111 abcdefghijklmnopqtu	111 j4	111 abcdefghijklmnopqtu4
Subject: Name	600H	600 abcdefghijklmnopqr tvxyz	600 ehjsu24	600 abcdefghijklmnop qrstuvwxyz24
Subject: Conference	611H	611 abcdefghijklmnopqstv xyz	611 hju24	611 abcdefghijklmnopqst uvwxyz24
Subject: Title	630H	630 adfgklmnoprsvx yz	630 eht24	630 adefghklmnoprst vxyz24
Subject: Chronological	648H	648 avxyz	648 2	648 avxyz2
Subject: LCSH	6500	650 abcdvxyz	650 e4	650 abcdevxyz4
Subject: Children's LCSH	6501	650 abcdvxyz	650 e4	650 abcdevxyz4
Subject: MESH	6502	650 abcdvxyz	650 e4	650 abcdevxyz4
Subject: NAL	6503	650 abcdvxyz	650 e4	650 abcdevxyz4
Subject: Unspecified	6504	650 abcdvxyz	650 e4	650 abcdevxyz4
Subject: Canadian English	6505	650 abcdvxyz	650 e4	650 abcdevxyz4
Subject: Canadian French	6506	650 abcdvxyz	650 e4	650 abcdevxyz4
Subject: Other	6507	650 abcdvxyz	650 e24	650 abcdevxyz24
Subject: Geographic	651H	651 abvxyz	651 e24	651 abevxyz24

Index Name	Index Code	Expected Index Definition	Subfields Added	New Index Definition
Subject: Faceted	654H	654 abvxyz	654 ce24	654 abcevyz24
Personal Name AE	700H	700 abcdefghijklmnop qrstu	700 jx4	700 abcdefghijklmnop qrstux4
Conference AE	711H	711 abcdefghijklmnopqst u	711 jx4	711 abcdefghijklmnopqst ux4
Series AE: Personal <	8000	800 t	800 fghklmnoprs v x	800 fghklmnoprstvx
Personal Name Series AE	800H	800 abcdefghijklmnop qrstuv	800 jx4	800 abcdefghijklmnop qrstuvx4
Series Corporate: Title (8100) <	8100	810 t	810 dfghklmnoprs vx	810 dfghklmnoprstvx
Corporate Name Series AE <	810H	810 abcdefghijklmnop rstuv	810 x4	810 abcdefghijklmnop stuvx4
Series AE: Conference <	8110	811 t	811 fghklpsvx	811 fghklpstvx
Conference Series AE	811H	811 abcdefghijklmnopqst uv	811 jx4	811 abcdefghijklmnopqst uvx4
Series AE: Uniform Title <	8300	830 adfgklmnoprst v	830 x	830 adfgklmnoprstv x

New Bibliographic Composite Indexes

Index Name	Index Code	Indexes Added
LCCN-ISBN-ISSN (STNO) <	STNO	010A 010Z 020A 020N 020R 020Z 022A 022L 022M 022Y 022Z ISB3

Updated Bibliographic Composite Indexes

Index Name	Index Code	Expected Index Definition	Indexes Added	New Index Definition
ISSN (022a y z)	ISSL	022A 022Y 022Z	022L 022M	022A 022L 022M 022Y 022Z

Index Name	Index Code	Expected Index Definition	Indexes Added	New Index Definition
Subjects	SALL	600H	648H	600H
		610H	6620	610H
		611H		611H
		630H		630H
		6500		648H
		6501		6500
		6502		6501
		6503		6502
		6504		6503
		6505		6504
		6506		6505
		6507		6506
		651H		6507
		654H		651H
		655H		654H
				655H
				6620

Updated Bibliographic Keyword Indexes

Index Name	Index Code	Expected Index Definition	Subfields Added	New Index Definition
Journal Title	JKEY	130 adfklmnoprs	773 q	130 adfklmnoprs
		210 ab	800 x	210 ab
		222 ab	810 x	222 ab
		240 adfklmnoprs	811 x	240 adfklmnoprs
		243 adfklmnoprs	830 x	243 adfklmnoprs
		245 abh		245 abh
		246 abfnp		246 abfnp
		247 abfnp		247 abfnp
		400 knptv		400 knptv
		410 knptv		410 knptv
		411 knptv		411 knptv
		440 anpv		440 anpv
		490 av		490 av
		700 knpt		700 knpt
		710 knpt		710 knpt
		711 knpt		711 knpt
		730 adfklmnoprs		730 adfklmnoprs
		740 anp		740 anp
		773 abst		773 abqst
		776 abst		776 abst
		780 abst		780 abst
		785 abst		785 abst
800 knptv		800 knptvx		
810 knptv		810 knptvx		
811 knptv		811 knptvx		
830 anpv		830 anpvx		

Index Name	Index Code	Expected Index Definition	Subfields Added	New Index Definition
Author Name	NKEY	100 acdq 110 abcdefgkl 111 acdefgklnpq 400 acd 410 abcdefgkl 411 acdefgkl 700 aqcd 710 abcdefgkl 711 acdefgkl 800 acdq 810 abcdefgkl 811 acdefgkl	100 j 800 j 811 j	100 acdj 110 abcdefgkl 111 acdefgklnpq 400 acd 410 abcdefgkl 411 acdefgkl 700 aqcd 710 abcdefgkl 711 acdefgkl 800 acdj 810 abcdefgkl 811 acdefgkl
Subject	SKEY	600 abdfgklmnopqrstvxyz 610 abdfgklmnopqrstvxyz 611 abdfgklnpqrstvxyz 630 adfgklmnopqrstvxyz 650 abcdvxyz 651 abvxyz 653 a 655 abcvxyz 690 abvxyz 691 abvxyz	600 j 611 j 630 e4 648 avxyz2 650 24 651 e4 654 abcevyz24 662 abcdefg02468	600 abdfgklmnopqrstvxyz 610 abdfgklmnopqrstvxyz 611 abdfgklnpqrstvxyz 630 adefgklmnopqrstvxyz4 648 avxyz2 650 abcdvxyz24 651 abevxyz4 653 a 654 abcevyz24 655 abcvxyz 662 abcdefg02468 690 abvxyz 691 abvxyz

Index Name	Index Code	Expected Index Definition	Subfields Added	New Index Definition
Title	TKEY	130 adfklmnoprs	773 q	130 adfklmnoprs
		210 ab	800 x	210 ab
		222 ab	810 x	222 ab
		240 adfklmnoprs	811 x	240 adfklmnoprs
		243 adfklmnoprs	830 x	243 adfklmnoprs
		245 abh		245 abh
		246 abfnp		246 abfnp
		247 abfnp		247 abfnp
		400 knptv		400 knptv
		410 knptv		410 knptv
		411 knptv		411 knptv
		440 anpv		440 anpv
		490 av		490 av
		700 knpt		700 knpt
		710 knpt		710 knpt
		711 knpt		711 knpt
		730 adfklmnoprs		730 adfklmnoprs
		740 anp		740 anp
		773 abst		773 abqst
		776 abst		776 abst
		780 abst		780 abst
		785 abst		785 abst
		800 knptv		800 knptvx
		810 knptv		810 knptvx
		811 knptv		811 knptvx
		830 anpv		830 anpvx

Updated Headings Indexes: OPAC and Staff Name/Title Headings (AHED/AUTH) Indexes – Bibliographic Fields

Field	Expected Index Definition – Name	Expected Index Definition – Title	Subfields Added	New Index Definition – Name	New Index Definition – Title
100	abcdkq	240 adfgklmnopr 243 adfgklmnopr 245 afgknps	100 g	abcdgkq	240 adfgklmnopr 243 adfgklmnopr 245 afgknps
110	abcdgkn	240 adfgklmnopr 243 adfgklmnopr 245 afgknps		abcdgkn	240 adfgklmnopr 243 adfgklmnopr 245 afgknps
111	abcdegknq	240 adfgklmnopr 243 adfgklmnopr 245 afgknps		abcdegknq	240 adfgklmnopr 243 adfgklmnopr 245 afgknps
130	adfgklmnopr	245 afgknps		adfgklmnop rs	245 afgknps
400	abcdkq	tnplkgf		abcdkq	tnplkgf
410	abcdgkn	tnplkgfd		abcdgkn	tnplkgfd
411	abcdegknq	tnplkgfd		abcdegknq	tnplkgfd
700	abcdkq	tnprsolkgmd	700 g	abcdgkq	tnprsolkgmd
710	abcdgkn	tnprsolkgmd		abcdgkn	tnprsolkgmd
711	abcdegknq	tfgklnps		abcdegknq	tfgklnps
800	abcdkq	tnprsolkgfm	800 g	abcdgkq	tnprsolkgfm

Field	Expected Index Definition – Name	Expected Index Definition – Title	Subfields Added	New Index Definition – Name	New Index Definition – Title
810	abcdgkn	tnprsolkgfmd		abcdgkn	tnprsolkgfmd
811	abcdegknq	tfgklmps		abcdegknq	tfgklmps

**Updated Headings Indexes: OPAC and Staff Name/Title
Headings (AHED/AUTH) Indexes – Authority Fields**

Field	Expected Index Definition – Name	Expected Index Definition – Title	Subfields Added	New Index Definition – Name	New Index Definition - Title
100	abcdkq	tnprsolkgfm	100 g	abcdgkq	tnprsolkgfm
110	abcdgkn	tdfgklmnoprs		abcdgkn	tdfgklmnoprs
111	abcdegknq	tfgklmps		abcdegknq	tfgklmps
400	abcdkq	tnprsolkgfm	400 g	abcdgkq	tnprsolkgfm
410	abcdgkn	tdfgklmnoprs		abcdgkn	tdfgklmnoprs
411	abcdegknq	tfgklmps		abcdegknq	tfgklmps
500	abcdkq	tnprsolkgfm	500 g	abcdgkq	tnprsolkgfm
510	abcdgkn	tdfgklmnoprs		abcdgkn	tdfgklmnoprs
511	abcdegknq	tfgklmps		abcdegknq	tfgklmps

Updated Headings Indexes: OPAC and Staff Name Headings (NHED/NAME) Indexes – Bibliographic Fields

Field	Expected Index Definition	Subfields Added	New Index Definition
100	abcdkq	100g	abcdgkq
110	abcdgkn		abcdgkn
111	abcdegknq		abcdegknq
400	abcdkq		abcdkq
410	abcdgkn		abcdgkn
411	abcdegknq		abcdegknq
700	abcdkq	700g	abcdgkq
710	abcdgkn		abcdgkn
711	abcdegknq		abcdegknq
800	abcdkq	800g	abcdgkq
810	abcdgkn		abcdgkn
811	abcdegknq		abcdegknq

Updated Headings Indexes: OPAC and Staff Subject Headings (SHED/SUBJ) Indexes – Bibliographic Fields

Field	Lead Subfields Expected	Title Sub-fields Expected	Sub-divisions	Sub-fields Added	New Lead Sub-fields	New Title Sub-fields	Sub-divisions
600	abcdkq	tfgklmno psr	vxyz	600g	abcdgkq	tfgklmno psr	vxyz
610	abcdgkn	tfgklmno prsd	vxyz		abcdgkn	tfgklmno prsd	vxyz

Field	Lead Subfields Expected	Title Sub-fields Expected	Sub-divisions	Sub-fields Added	New Lead Sub-fields	New Title Sub-fields	Sub-divisions
611	abcdegkn q	tfgklnps	vxyz		abcdegkn q	tfgklnps	vxyz
630	adfgklmn oprs		vxyz		adfgklmn oprs		vxyz
650	ab		vxyz		ab		vxyz
651	ab		vxyz		ab		vxyz
654	ab		vxyz		ab		vxyz
655	a		vxyz		a		vxyz

Reference to Technical Documentation

Refer to Appendix A of the *Voyager 9.2 System Administration User's Guide* for a complete description of all of the indexes included in Voyager.

New Search Limits

Description

New limits have been added to Voyager 8.2 to filter results by content type, media type, and carrier type. These limits display both in WebVoyage and in the Voyager staff clients.

Implementation Notes

The limits are preconfigured in the *limits.ini* for the Voyager staff clients (c:\Voyager\Misc\limits.ini). For WebVoyage, new limit groups have been added to the *limits.xml* file and new configurations have been added to *webvoyage.properties*.

Reference to Technical Documentation

Refer to the *Voyager 8.2 WebVoyage Basic User's Guide*, the *Voyager 8.2 WebVoyage Architecture Overview and Configuration Models* guide, and the *Voyager 8.2 Cataloging User's Guide* for more information.