Local Holdings Data in WMS and WorldCat Local
Dec. 13, 2011

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1 Introduction
WMS and WorldCat Local contain bibliographic, holdings, circulation, and patron data. The focus of this document is how holdings data in Connexion, WMS, and WorldCat Local:
1. Relates to other kinds of data
2. Displays in the three systems, including the rules for data display in WorldCat Local for WMS libraries

2 Data and system relations
2.1 Record types
Note: Patron records are not covered.

<table>
<thead>
<tr>
<th>Data</th>
<th>Viewable</th>
<th>Editable</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bibliographic record</td>
<td>Connexion Browser &amp; Client (fully)</td>
<td>Connexion Browser &amp; Client (fully)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>WMS (partially)</td>
<td>WMS (fully, but cannot edit circulation data)</td>
<td>Item records contain most of the data in an LHR, plus a few fields of circulation data.</td>
</tr>
<tr>
<td>Circulation data</td>
<td>WMS</td>
<td>Not editable</td>
<td>Generated by WMS.</td>
</tr>
<tr>
<td>Item record</td>
<td>WMS (partially)</td>
<td>WMS (fully, but cannot edit circulation data)</td>
<td>Libraries have the option to load local bibliographic data to supplement bibliographic records in WorldCat Local. Such data cannot be edited, but can be overwritten by a later batchload project. For more information, see Local Data for WorldCat Local.</td>
</tr>
<tr>
<td>Local bibliographic data</td>
<td>WorldCat Local (fully; part of the Detailed Record)</td>
<td>Not editable</td>
<td></td>
</tr>
<tr>
<td>Local Holdings record (LHR)</td>
<td>Connexion Browser (fully) WMS (partially) WorldCat Local (partially)</td>
<td>Connexion Browser (fully) WMS (partially, via item record)</td>
<td>WMS allows LHR data to be edited via the item record. These edits are applied to LHRs in Connexion (sometimes with a delay).</td>
</tr>
</tbody>
</table>

1 While most commonly used LHR fields can be edited in WMS, LHRs can be fully edited only in Connexion. Examples of fields editable only in Connexion include the 007, 008, and Leader. For screenshots of the complete LHRs referred to in this document, see 7: LHR Connexion screenshots.

2.2 Record and system relations

Local Holdings Data in WMS and WorldCat Local 2
3 Local Holdings Records (LHRs)
Holdings data is stored in an OCLC Local Holdings Record (LHR), which describes the location and, if applicable, the issues and volumes, of items. A bibliographic record is linked (via its OCLC number) to an LHR, which is linked (via a barcode) to one or more WMS item records.

3.1 Required fields in Local Holdings Records
Below are the minimum local holdings data required for WMS. Data not listed may also be sent to OCLC. For complete information on the OCLC holdings format, see Local Holdings Formats and Standards.

| **Leader** (technically, the first field in the record. It contains data needed to process the record) |
| **Directory** (defines the variable fields in the record; not visible to users in Connexion) |
| **Control numbers** |
| OCLC number (can be stored in field 004, 014, or 035, but the same field must be used in all records) |
| **Location** |
| Location (852 $a) |
| Sublocation (collection) (852 $b) |
| Shelving location (852 $c) |
| **Other Data** |
| Call number (852 $d) |
| Piece designation (barcode) (876 $p, 877 $p, 878 $p) At least one of these must be present. |
| Fixed length data elements (008) |
| Physical description (007) |

3.2 LHR data in WMS and WorldCat Local

<table>
<thead>
<tr>
<th>WMS</th>
<th>WorldCat Local</th>
</tr>
</thead>
<tbody>
<tr>
<td>LHR data appears: 1. Title screen (copies/holdings for selected copy) 2. Copy Details (subscription) screen 3. Item screen (where most LHR data lives)</td>
<td>1. Search results (holding library) 2. Detailed Record screen (where most LHR data displays)</td>
</tr>
</tbody>
</table>

The example LHR screenshots on the following pages are based on LHRs meeting the minimum requirements above and show where LHR data is stored in Connexion and appears in WMS and WorldCat Local. To see larger versions of these LHR screenshots, see LHR Connexion screenshots.

Data appears only if present in your LHRs.

Problems with the display of data in WMS and WorldCat Local are typically caused by absent, incomplete, or incorrect LHR data. While many edits to LHR data can be made in WMS, Connexion browser must be used to fully edit LHRs.
4 LHRs in Connexion

4.1 Institution Summary and LHRs

Summary. Free-text field that describes institution-level (overall) holdings for the item. Information in the Summary is entered when the institution’s first LHR is linked to a bibliographic record. For batch-loaded holdings records, the Summary is system-supplied. Content from the first LHR is automatically copied to Summary field in each additional LHR you create. When you create or replace an LHR, the Summary field from the new or updated LHR appears in all other LHRs linked to the bibliographic record.

Guideline. When you edit or add an LHR in Connexion, update the Summary as necessary to reflect changes in the institution’s total holdings for the item, across all copies. For new LHRs, the system supplies a default Summary, "Local holdings available." This default Summary does not display in WorldCat Local. Replace the default text with a description of your institution’s overall holdings, if desired.

For more information, see Create & maintain LHRs (Connexion browser doc).
5 LHRs in WMS

5.1 LHR to Copy Details screen

- Copies
  - Refresh Results 1-2 of 2
  - Branch
    - Main (MAIN) G505 A55 (Unknown) 3
    - Main (MAIN) G505 A55 (Unknown) 4

- Holdings For Selected Copy
  - Refresh Results 0 of 0

- Call Number:
  - 852 2nd indicator
  - 852 $k
  - 852 $h
  - 852 $i
  - 852 $j
  - 852 $k

- Receipt Status:
  - 852 $f

- Note(s):
  - Staff

- Cancel

WMS LHR
- Holding location
- Shelving locations
  - Permanent: 852 $c
  - Previous: 852 $d
- Call number
  - Shelving order 852 2nd indicator
  - Previous: 852 $f
- Receipt status
  - 008/06
- Note(s)
  - 852 $x (nonpublic)
  - 852 $z (public)
5.2 WMS: LHR to Item screen

**Title: Appalachia. (1481692)**

<table>
<thead>
<tr>
<th>Copies</th>
<th>Details</th>
<th>HOLDS (0)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Copies** (1-2 of 2)

- **Main (MAIN)**
  - Call Number: 0502 A55 (Unknown)
  - Number of Holdings: 3
  - ViewEdit
- **Main (MAIN)**
  - Call Number: 0502 A55 (Unknown)
  - Number of Holdings: 4
  - ViewEdit

1: Connexion: Local Holdings Records

- **LHR 2**
  - Click copy row (in blue) to see holdings in Holdings for Selected Copy area.

**Serial Item Details**

- **Status**: Available
- **Holding Location**: Main (MAIN)
- **Shelving Location**: Permanent MANS STACKS
- **Call Number**: 0502 A55 (Unknown)
- **Barcode**: 486806609
- **Category**: Basic
- **Enumeration**: v. 62, no. 1 2011
- **Chronology**: (year) 2011

**Description**

- **Use Restrictions**: Room use only
- **Cost**: $9.95
- **Note**: Public 876 (Public)

**WMS Source of data**

- **Status**: Circulation data created by WMS
- **Holding location**: 852 tb
- **Shelving location**: 852 tc
- **Call number**: 852 1h 3l 3l 1l 3m
- **Barcode**: 876 1g
- **Category**: Basic: 853, 863, 866
  - Supplement: 855, 865, 867
  - Index: 855, 865, 868
- **Enumeration**: 853 1g 1h 1h 1h 1h
- **Chronology**: 853 1h 1h 1h 1h 1h
- **Description**: 866 1a, 867 1a, 868 1a
- **Use Restrictions**: 876 1h
- **Cost**: 876 1c
- **Note**: 876 1x (nonpublic)

Local Holdings Data in WMS and WorldCat Local 6
6: LHRs in WorldCat Local

Institution summary
The institution summary is pulled from the most recently updated LHR (see Institution Summary and LHRs, p. 3).

If Institution Summary is absent from LHRs in Connexion, then in WorldCat Local, Summary status, call #, and notes are blank (not shown).

Circ info unavailable. If there is no WMS item record or WorldCat Local cannot contact WMS, then “Circ info unavailable” appears in the Status column (not shown).

Local Holdings Data in WMS and WorldCat Local
7: LHR Connexion Screenshots
Below are larger versions of the LHRs used throughout this document.

7.1 LHR 1
866 textual holdings, some issues with barcodes, some issues without barcodes.

<table>
<thead>
<tr>
<th>Local Holdings Record: Appalachia.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCLC 1481692 ISSN 0003-6587 Freq f Dates 1876-9999 Control 78751906</td>
</tr>
<tr>
<td>+ Publication Pattern Data</td>
</tr>
<tr>
<td>Summary v.45(1994)-</td>
</tr>
<tr>
<td>Leader cy a4l</td>
</tr>
<tr>
<td>007 tu</td>
</tr>
<tr>
<td>008 1111040u 8 0001uueng0111118</td>
</tr>
<tr>
<td>852 OCWMS ‡b MAIN ‡c MAIN-Periodicals ‡h G505 ‡l A55 ‡t 0</td>
</tr>
<tr>
<td>866 _1 ‡8 0 ‡a v.45 (1994)</td>
</tr>
<tr>
<td>866 _1 ‡8 0 ‡a v.46 (1995)</td>
</tr>
<tr>
<td>866 _1 ‡8 0 ‡a v.47 (1996) - v.48 (1997)</td>
</tr>
<tr>
<td>876 ‡3 v.47 (1996) - v.48 (1997) ‡p 18143801082</td>
</tr>
<tr>
<td>876 ‡3 v.46 (1995) ‡p 18143801081</td>
</tr>
</tbody>
</table>

7.2 LHR 2
863 coded holdings, 866 textual holdings, some issues with barcodes, some issues without barcodes, 856 for URL.

<table>
<thead>
<tr>
<th>Local Holdings Record: Appalachia.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCLC 1481692 ISSN 0003-6587 Freq f Dates 1876-9999 Control 78751905</td>
</tr>
<tr>
<td>+ Publication Pattern Data</td>
</tr>
<tr>
<td>Summary v.45(1994)-</td>
</tr>
<tr>
<td>Leader cy a4l</td>
</tr>
<tr>
<td>007 tu</td>
</tr>
<tr>
<td>008 1111040u 8 0001uueng0111117</td>
</tr>
<tr>
<td>852 OCWMS ‡b MAIN ‡c MAIN-STACKS ‡h G505 ‡l A55 ‡t 1 ‡z Public 852 Note ‡x Non-Public 852 Note</td>
</tr>
<tr>
<td>853 33 ‡8 2 ‡a v. ‡b no. ‡i (year) ‡j (Season) ‡w f</td>
</tr>
<tr>
<td>856 41 ‡u <a href="http://www.outdoors.org/publications/appalachia/index.cfm">http://www.outdoors.org/publications/appalachia/index.cfm</a></td>
</tr>
<tr>
<td>803 ‡8 2.3 ‡a 62 ‡b 1 ‡i 2011 ‡x Non-Public 803 Note</td>
</tr>
<tr>
<td>803 ‡8 2.4 ‡a 62 ‡b 1 ‡i 2011 ‡j Winter/Summer</td>
</tr>
<tr>
<td>853 33 ‡8 2.6 ‡a 3 ‡b 5 ‡i 2011 ‡j Spring</td>
</tr>
<tr>
<td>803 33 ‡8 1 ‡a v.56(2005)-v.60(2009) ‡i 856 Note</td>
</tr>
<tr>
<td>876 ‡8 2.3 ‡c 9.95 ‡h Room use only. ‡p 4885886888 ‡x Non-Public 876 Note</td>
</tr>
<tr>
<td>876 ‡8 2.4 ‡c 9.95 ‡p 4885886888 ‡z Public 876 Note</td>
</tr>
<tr>
<td>876 ‡8 2.5 ‡p 4885886889</td>
</tr>
</tbody>
</table>
8: WorldCat Local LHR Display Rules for WMS Libraries

8.1 Summary
Rule 1: For all LHRs, 9

Rule 2: When there are only detailed holdings fields (86x) and there are no item fields (87x), 9

Rule 3: When there is a one-to-one match between the item fields (87x) and the detailed holdings fields (86x) or there are only item fields (87x) in the LHR, 10

Rule 4: When the item fields (87x) in the LHR cannot be matched to any of the detailed holdings fields (86x) in the LHR, 10

Rule 5: When the item fields (87x) in the LHR can be matched to some but not all of the detailed holdings fields (86x) in the LHR, 10

Rule 6: When an LHR does not contain any detailed holdings fields (86x) or item fields (87x), 11

8.2 Rules
Rule 1: For all Local Holding Records (LHRs)

Result of rule in WorldCat Local:
1. For each library symbol in the LHR Summary field, a Summary field appears in WorldCat Local that displays the institution name.
2. Availability information does not display in the Summary field.
3. If the text "Local holdings available" appears in the LHR Summary field, it is not displayed in the Status column.
4. Call numbers in the LHR detailed holdings fields (86x and/or 87x) appear in the Call Number column.
5. Call numbers do not display in the summary field.
6. Branch and Shelving Location information in the detailed holdings fields (86x and/or 87x) in the LHR appears in the Location section.
7. URLs in the 856 fields in the LHR display in the Find a Copy Online section.
8. If there is no circulation data for a item that has a barcode, then “Circulation Information is Unavailable” appears in the Status column.

Rule 2: When there are only detailed holdings fields (86x) and there are no item fields (87x)

Cases in which rule applies:
1. LHR contains 866 fields that are matched to the 876 fields in the same LHR.
2. LHR contains 853/863 fields with no 876 fields.
3. LHR contains a combination of 853/863 fields and 866 fields but no 876 fields.

Result of rule in WorldCat Local:
1. Holdings information in the detailed holdings fields (86x) displays on separate lines in the Status column.
2. Public notes (‡z) in the detailed holdings fields (86x) display in the Notes column.
3. Availability information does not display.
Rule 3: When the item fields (87x) and the detailed holdings fields (86x) match or there are only item fields (87x) in the LHR

Cases in which rule applies:
   a. LHR contains 866 fields that are matched to the 876 fields in the same LHR.
   b. LHR contains 853/863 fields that are matched to the 876 fields in the LHR.
   c. LHR contains a combination of 853/863 fields and 866 fields that are matched to the 876 fields in the LHR.
   d. LHR contains only 876 fields.

Result of rule in WorldCat Local:
1. Information from the 87x field displays on separate lines in the Status section of the LHR display.
2. Public notes (‡z) from the 87x and its matching 86x field display in the Notes column.
3. Availability information in the 87x displays.

Rule 4: When the item fields (87x) in the LHR cannot be matched to any of the detailed holdings fields (86x) in the LHR

Cases in which rule applies:
   a. LHR contains 866 fields, none of which can be matched to the 876 fields in the LHR.
   b. LHR contains 853/863 fields, none of which can be matched to the 876 fields in the LHR.
   c. LHR contains a combination of 853/863 fields and 866 fields, none of which can be matched to the 876 fields in the LHR.

Result of rule in WorldCat Local:
1. Information from the detailed holdings fields (86x) and the item fields (87x) displays on separate lines in the Status column.
2. Information from the detailed holdings fields (86x) displays first in the Status column, followed by the item field information (87x).
3. Availability information in the detailed holdings fields (86x) does not display.
4. Availability information in the 87x field displays in the Status column.
5. Notes from the detailed holdings fields (86x) and the item fields (87x) displays on the same line as its associated holdings or item data in the Status column.
6. If the 86x does not have a matching 876, then the 876 ‡3 (if present) and/or the 86x ‡a is used to display detailed holdings in the Status column with availability information as the first line for field 876 only.
7. If displaying detailed holdings from the 863, 864 & 865 fields, a space separates volume (‡a) and year (‡i).
8. Notes from the detailed holdings fields (86x) or the item fields (87x) that could not be matched display on the same line as its associated holdings or item data in the Status column.

Rule 5: When the item fields (87x) in the LHR can be matched to some but not all of the detailed holdings fields (86x) in the LHR

Cases in which rule applies:
   a. LHR contains multiple 866 fields and only some of them can be matched to the 876 fields in the LHR.
   b. LHR contains 853/863 fields and only some of them can be matched to the 876 fields in the LHR.
   c. LHR contains a combination of 853/863 fields and 866 fields and only some of them can be matched to the 876 fields in the LHR.

Result of rule in WorldCat Local:
1. When 86x and 87x fields match, display item information (87x) after detailed holdings information (86x) in the Status column; availability information displays.
2. When 86x and 87x fields don’t match, display information from detailed holdings fields (86x) in the Status column; availability information does not display.
3. Public notes (‡z) from both matching 87x and (86x) fields display in the Notes column.
Rule 6: When an LHR does not contain any detailed holdings fields (86x) or item fields (87x)

Cases in which rule applies:
a. LHR contains only an 852
   i. 852 with just branch
   ii. 852 with branch & shelving location
   iii. 852 with branch, shelving location & call number
   iv. 852 with branch & call number

Result of rule in WorldCat Local:
1. Branch (852 ‡b) information displays along with any shelving location (852 ‡2) and/or call number (852 various) in the LHR
2. Branch and shelving location information displays in the Location column.
3. Call numbers display in the Call Number column.
4. Availability information does not display.
5. Notes from 852 ‡z display in the Notes column.
6. The 852 ‡t does not display in the Call Number column.
9 LHR Glossary
For more information on local holdings records, see Local Holdings Formats and Standards.

853-855 Captions & Pattern Fields. These fields specify the caption appropriate for each level of enumeration and chronology present in the 863-865 Enumeration and Chronology field that is linked to it by subfield ‡8 (Field link and sequence number). A caption is a word, phrase, or abbreviation that describes the type of parts into which a multipart or serial item has been divided, for example, volume, number, part, side. These fields may also contain codes that define the publication pattern of the bibliographic item, for example, frequency, regularity pattern. These codes allow information in the 863-865 Enumeration and Chronology fields to be compressed or expanded by computer algorithm.

863-865 Enumeration & Chronology Fields. These fields contain the numeric, alphabetic, and/or date designation used on the bibliographic item that identifies its parts and shows the relationship of the parts to the whole.

The 853-855 Captions and Pattern and 863-865 Enumeration and Chronology fields, linked by subfield ‡8 (Field link and sequence number), are generally used for multipart and serials items when a caption is needed for an intelligible display of the enumeration and chronology data or when publication pattern data is needed to allow the compression or expansion of an 863-865 field by computer algorithm. An 853-855 Captions and Pattern fields must be paired with and linked to a corresponding 863-865 Enumeration and Chronology field when coded holdings data is recorded in those fields in OCLC local holdings records.

866-868 Fields. These fields contain free-text enumeration and chronology data. They are generally not used for recording holdings for single-part items. They may be used instead of the coded 853-855 Captions and Pattern and 863-865 Enumeration and Chronology fields for multipart and serial items when those fields cannot be used adequately to describe the holdings. The 866-868 fields may also be used in addition to an Enumeration and Chronology field and any associated Captions and Pattern field to record and generate an alternative display for all or part of the data contained in those fields.

876-878 item fields. These fields contain item level information about the copy described in field 852. They contain various data elements that need to be recorded for specific items for use, for example in acquisitions or circulation applications, among others.

Either subfield ‡3 or subfield ‡8 is used to link an Item Information field with another holdings field, depending upon which other field is used to record the holdings data. Subfield ‡3 is used to link to field 852 or 866-868; subfield ‡8 is used to link to fields 863-865, in which case the enumeration and chronology field must not be compressed beyond the individual physical piece.

Holdings fields. See 853-855 Captions & Patterns fields and 863-865 Enumeration & Chronology Fields.

Item fields. See 876-878 item fields

LHR. See Local Holdings Record

Local Holdings Record (LHR). Name of the holdings record in WorldCat that helps libraries maintain accurate, current holdings information by providing a library's holdings for materials in any format, including serials

Summary field. A free-text field in an LHR that describes institution-level (overall) holdings for the item.