



ISBN-13 Implications for Innovative Libraries

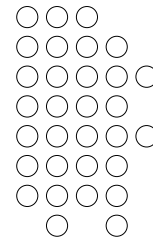
Corey Seeman

Asst. Dean for Resource & Systems Management
University of Toledo

Ann-Marie Breaux

Sr. Manager, Academic Services Development
YBP Library Services

September 16, 2005

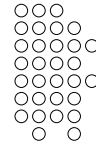


Overview

- What Is ISBN Expansion?
- Why Is It Happening?
- How Does It Work?
- Important Dates
- Who Is Affected?
- EDI
- Publicity & Resources
- What's Happening at YBP?
- How About Other Vendors?



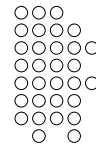
What Is ISBN Expansion?



- ISBN changes from 10 digits to 13
- ISBN-13 = EAN
- Also 12-digit UPC (used in retail) is changing to 13

3

Why Is It Happening?

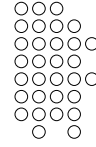


- Doubles the pool of available ISBNs
 - Will run out of ISBN-10s by 2007
 - Electronic publishing & alternate formats increase need for more numbers
- Brings ISBNs and UPCs into conformity with international product numbering standards

Entire Worldwide Book Industry
Will Use One Number

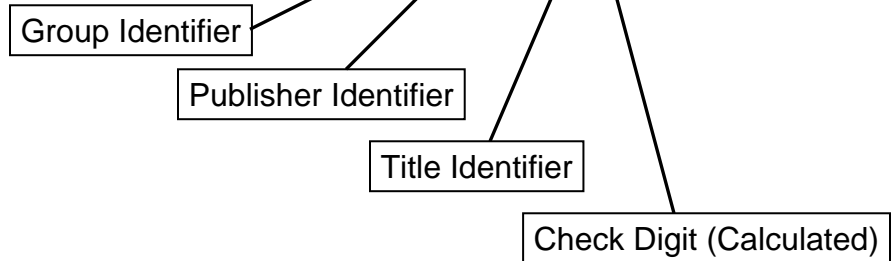
4

How Does It Work?



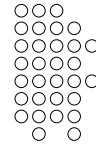
Current ISBN

ISBN-10: 1-55853-234-X



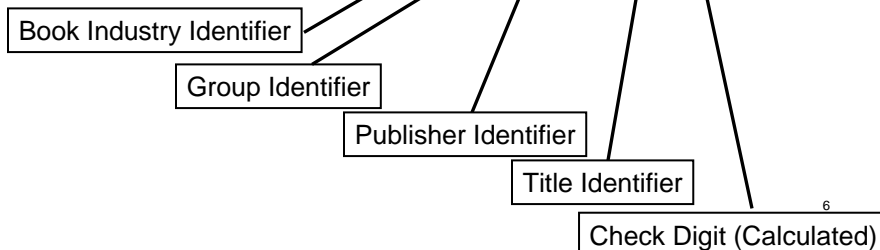
5

New ISBN Structure



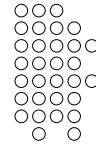
1. Increase to 13 Digits – Add “978” and “979” Prefixes
2. Recalculate Check Digit Over First 12 Digits (no more Xs)

ISBN-13: 978-1-55853-234-2



6

Back Cover



Old

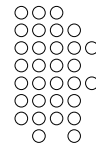


New



7

Important Dates



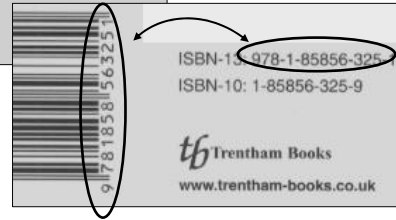
- ***October 1, 2004***
 - LC started recording ISBN-13s in CIP and cataloging records
 - OCLC started accepting input of 13-digit ISBNs, BUT is parking them temporarily in a non-ISBN field (024)
- ***January 1, 2007***
 - Only ISBN-13 issued
 - Stop using 10-digit ISBN for transactions
 - 979-prefix ISBNs assigned as needed

8

Some Recent Examples from the YBP Warehouse

Library of Congress Cataloging-in-Publication Data
Wasserstein, Wendy.
Sloth / Wendy Wasserstein.
p. cm.— (The Seven Deadly Sins)
ISBN-13: 978-0-19-516630-9
ISBN-10: 0-19-516630-2

Library of Congress Cataloging-in-Publication Data available upon request
ISBN 0-312-33125-8
EAN 978-0312-33125-2



LIBRARY OF CONGRESS CATALOGING-IN-PUBLICATION DATA
Lydenberg, Steven D.
Corporations and the public interest : guiding the invisible hand / by Steven Lydenberg.
p. cm.
Includes bibliographical references and index. **No ISBN-10 given**
ISBN-13: 978-1-57675-291-3

Implications for...

- New publications
- Reprints
- Existing stock/OP
- MARC records
- ILS systems

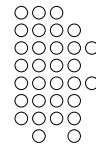
Who Will Be Affected?



- Publishers
- Book Vendors
- Retailers
- Libraries
- ILS Vendors
- Bibliographic Utilities (e.g. OCLC, RLIN)
- Any Other Organizations That Record/Exchange ISBN in Automated Systems

11

EDI Ordering: Current Formats



- **BISAC***

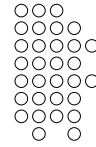
- **X12**
- **EDIFACT***
- **TRADACOMS**

- **NON-STANDARD***

* Used by Innovative Libraries

12

ISBN-13 Publicity

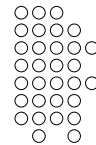


- January 2005: Eric Thronson's background article in *Against the Grain*
- January 2005: PVLR sponsored open forum at ALA Midwinter
- April 2005: Special issue of *Against the Grain*

| | |
|--------|-----------------------|
| Bowker | OCLC |
| LC | BISG |
| Wiley | University of Chicago |
| Ingram | NISO |
| Talis | |

13

Useful Websites: <http://www.bisg.org/>

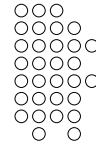


The screenshot shows the homepage of the Book Industry Study Group (BISG) website. The browser title is "Book Industry Study Group - Microsoft Internet Explorer" and the address bar shows "http://www.bisg.org/". The website layout includes a navigation menu on the left with links for HOME, ABOUT US, NEWS, MEMBERSHIP, BISG COMMITTEES, BISAC COMMITTEES, STANDARDS, POLICIES, PUBLICATIONS, ISBN-13, INDUSTRY RESOURCES, CONTACT US, and MEMBERS AREA. The main content area features several sections:

- STANDARDS & POLICIES:** 2005 Sunrise and the Transition to the ISBN-13. Includes links for BISG's Product Identification Site and EDI Strategies for the Book Industry and the 13-Digit ISBN.
- PUBLICATIONS:** "Soon to be released! Pre-order your copy now." Includes a "NEW Under the Radar" section for a breakthrough study and the latest edition of "Book Industry TRENDS 2005".
- NEWS:** "Need to know what's happening in the industry?" Includes links for "MAKING INFORMATION PAY 2005" conference, New Warehouse Benchmarking System, and the BISG Bulletin.
- EVENTS:** "Don't miss these upcoming events and meetings." Lists meetings for the BISAC Machine Readable Coding Committee, BISG Distribution Executives Committee Meeting, and BISAC Machine Readable Content Committee.

Useful Websites:

<http://bowkersupport.com/publishers/prodids.htm#isbn13>



Bowker
Publisher Services

Sales portals, data tools, and industry knowledge from your most strategic information partner

Compete Effectively
Competitive Analysis
Industry Reporting
Product Identifiers
Database Services
Reference Databases

Increase Visibility
E-Commerce
Professional Services
Support Services
Title Registration
Serials Publishers

Learn About Bowker
Mission Statement
Press Releases
Trade Shows
Contact Us
Bowker.com

HOME PAGE PRODUCT IDENTIFIERS

ISBN | 12-Digit ISBN | EAN | Bar Code Service | DOI

ISBN

The ISBN (International Standard Book Number) is a unique 10-digit number that identifies one title or edition of a title from one specific publisher and is unique to that edition. As the official ISBN Agency for the United States, Bowker is responsible for the assignment of the ISBN Publisher Prefix to those publishers with a residence or office in the U.S.

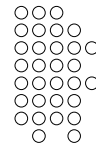
Visit the ISBN Website

3-Digit ISBN

Bowker is heavily involved in the transition to the 13-digit ISBN for U.S. publishers, distributors, wholesalers and retailers. The main purpose of the ISBN revision project is to increase the numbering capacity of the ISBN system. As a result of electronic publishing and other changes in the publishing industry, the numbering capacity of the ISBN system is being consumed at a much faster rate than was originally anticipated when the ISBN system was developed for printed books in the late 1960's.

Useful Websites:

<http://www.oclc.org/news/announcements/announcement96.htm>



OCCLC
a worldwide library cooperative

United States Community Products and Services Professional Development Research

News and Events

OCLC Interim Support for ISBN 13

A new international standard is expanding the current 10-digit ISBN to a 13-digit ISBN.

The new ISBN will consist of 13 digits: the 3-digit prefix that identifies the book industry (currently 978), followed by the core 9-digit number and the recalculated check digit that validates the internal integrity of the whole number. As such, it will also be identical to the EAN "bookland" 13-digit code that already appears encoded in the bar code printed on the back of the book. While the official date for moving to this new standard is January 1, 2007, some publishers expect to begin printing both the current 10- and the new 13-digit ISBNs in materials later this year. This will allow them to transition more easily to the new ISBN-13.

For further details on the ISBN-13 implementation, please see: <http://www.isbn-international.org/en/revision.html> and <http://www.isbn-international.org/en/download/implementation-guidelines-04.pdf>

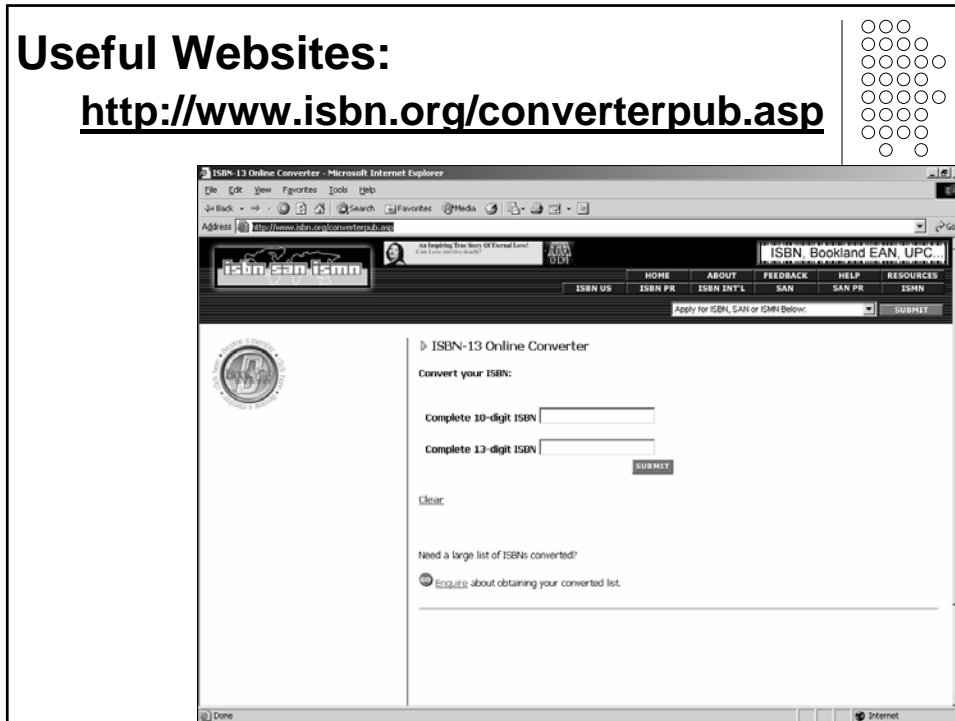
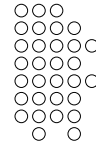
The Library of Congress expects to begin recording ISBN-13 numbers in LC records on October 1, 2004.

Because OCLC is in the process of moving to a new system/database platform, and because this implementation will not be complete by October, OCLC will adopt the following interim support for ISBN-13 numbers in WorldCat. This will allow OCLC to focus on completing the migration to the new platform without having to retrofit systems that will soon be retired.

- Records loaded into WorldCat from the Library of Congress and our other trading partners:
 - OCLC will convert a 13-digit number appearing in field 020 subfield \$a to an EAN (field 024, first indicator '3').
 - If the record contains a 13-digit ISBN without a corresponding 10-digit ISBN, OCLC will convert a 13-digit ISBN beginning with 978 to a 10-digit ISBN, modifying the check digit along the way, as well as convert to an EAN as indicated above.

Useful Websites:

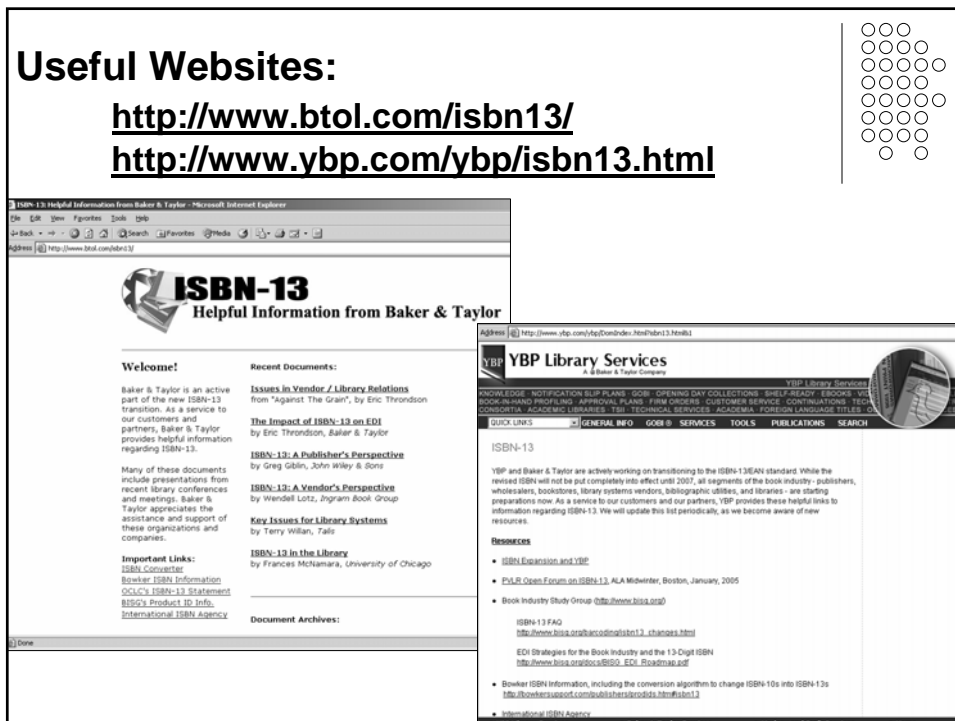
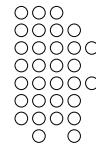
<http://www.isbn.org/converterpub.asp>



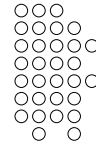
Useful Websites:

<http://www.btol.com/isbn13/>

<http://www.ybp.com/ybp/isbn13.html>



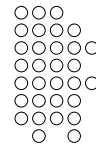
What's Happening at YBP?



- Research & Inventory all Tools, Applications, Databases, Reports Using ISBNs
- Design, Development, Programming, Testing, Implementation
 - Data Clean Up & Conversion
 - Mainframe Database Changes
 - File Transmissions & Receipt – eOrders, eInvoices, B&T, OCLC, Publishers, Customers
 - Applications and Reports
- Two Phases: Inward and Outward-Looking
- Aim to Complete Work by mid-2006

19

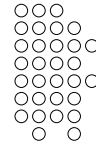
Customer Impact



- Electronic Orders
- Electronic Invoices (if ISBN used in matching – not an issue for Innovative customers)
- GOBI Searching
- MARC Files
- Paper Products (slips, status reports, invoices)

20

Other Vendors



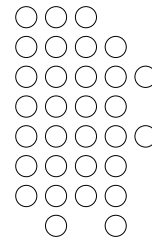
- **Baker & Taylor**
 - Ready mid-2006
- **Majors**
 - Ready mid-2006
- **Ingram**
 - Early 2006
- **Blackwells**
 - Jan 2006: Collection Manager will be ISBN-13 compliant for searching and ordering.
- **Book House, Coutts, Eastern Book Company, Emery Pratt**
 - No information
- **Midwest**
 - "Well in advance of January 1, 2007"

21

ISBN-13 Implications for Innovative Libraries

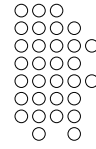
*Eastern Great Lakes
Innovative Users Group
Wright State University
Dayton, Ohio
September 16, 2005*

*Corey Seeman
University of Toledo*



22

Presentation Overview



- How Innovative uses ISBNs
- What will the changes mean?
- Do I have any ISBN-13 now?
- What might not work after the “change”?
- What is Innovative doing?
- What should I be doing?
- Web Resources

23

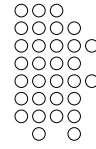
How Innovative uses ISBNs



- Searching in the WebOPAC
- Duplicate checking when keying records
- Duplicate checking from Headings Reports
- Ordering – *especially electronic ordering*
- Inn-Reach Overlay matching
- Inter-Library Loan
- Federated searching
- WebBridge (and other products that link to additional content)
- Validate ISBN numbers
- Z39.50 Cataloging and Searching

24

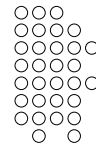
How Innovative uses ISBNs



- *Innovative Release notes*
- *2005LE and earlier*: load, store, index, and check for duplicate 13 digit ISBNs and accommodate 13 digit ISBNs with ISBN
- *2005*: EDIFACT ordering accepts 13 digit ISBNs
- *2006*: 13 digit ISBN validation, overlay and INN-Reach matching algorithms.

25

What will the changes mean?



- *****BISAC electronic ordering WILL NOT WORK! (Based on 10 digit blocks)*****
- Libraries using electronic ordering need to change to EDIFACT well before January 2007.
- Many libraries are changing now.

26

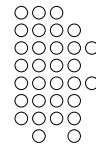
What will the changes mean?



- EDIFACT vs. BISAC
 - FTP vs. email
 - Modest changes in vendor record
 - Basic functionality remains the same (send POs from the send screen).
 - Potential for more than just one direction of information.
 - Better support for longer field sizes and the use of blanket PO#s

27

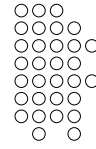
Do I have any ISBN-13 now?



- We had 297 records in our system
- Current Load Table Rules (Bibliographic Records):
 - Field Group MARC Index
 - ISBN/ISSN(i) 020 (subfields to load - az ONLY)
 - ISBN/ISSN(i) 022 (subfields to load - ALL)
 - ISBN/ISSN(i) 024 (subfields to load - ALL)

28

Do I have any ISBN-13 now?

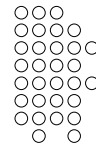


020 - isbn-10
024 3 -isbn-13

Both are loading, but only one is indexing.

| LANG | eng | English | CAT DATE | 05-15-2002 |
|-------------------------------------|---------|--|----------|------------|
| SKIP | 0 | | BIB LVL | m MONOGR |
| LOCATION | multi | | MAT TYPE | g AUDIOVIS |
| MARC Leader #####cgm 22#####la 4500 | | | | |
| LOCATIONS carl.cmmm | | | | |
| o | 001 | 46541346 | | |
| y | 003 | OCOLC | | |
| y | 005 | 20020515113730.0 | | |
| y | 007 | vf cbahou | | |
| y | 009 | 040322e4000 ilu09 | | veng d |
| i | 020 | 1575171805 | | |
| i | 024 3 | 9781575171807 | | |
| v | 028 4 2 | 2525 39/Skylight Training and Development | | |
| y | 040 | WSE cWSE ITX dTOL | | |
| y | 043 | n.us--- | | |
| y | 049 | TOLL | | |
| c | 099 | VHS a1925 | | |
| t | 245 0 0 | Systemic change in schools videorecording : the superintendent's view of what works c Skylight Professional Development production in cooperation with N.A.K. Production Associates | | |
| u | 246 3 0 | Superintendent's view of what works | | |
| p | 260 | Arlington Heights, IL : bSkylight Training and Publishing, cc1999 | | |

Do I have any ISBN-13 now?



024 3 -isbn-13

Why aren't ISBN-13s searchable?

Your entry 9781575171807 would be here

| Mark | ISBN/ISSN | Year | Entries |
|--------------------------|----------------|-------|---------|
| <input type="checkbox"/> | 9781564482 | 1999 | 1 |
| <input type="checkbox"/> | 9781564776 | c2002 | 1 |
| <input type="checkbox"/> | 9781564857 | 2002 | 1 |
| <input type="checkbox"/> | 978180648717v1 | 2004 | 1 |
| <input type="checkbox"/> | 978226900x | 1978 | 1 |
| <input type="checkbox"/> | 9782269034 | 1978 | 1 |

Do I have any ISBN-13 now?

- **Current Index Rules:**

- Field Group MARC Index
- ISBN/ISSN(i) 020(a) ISBN/ISSN(i)
- ISBN/ISSN(i) 020(z) ISBN/ISSN(i)
- ISBN/ISSN(i) 024(a) OTHER NUMBER(u)

NOTE: 024s in OCLC Connexion are indexed in the Standard Number Field

- **Move 0243 ISBNs to 020 (as per CSDirect). This can be done with Global Update.**
- **(Eventually, you will move to your load/index tables)**

31

Do I have any ISBN-13 now?

The screenshot shows the Millennium Cataloging interface. The main window is titled "Global Update Functions" and has a menu bar with "File", "Edit", "View", "Go", "Admin", "Reports", and "Help". Below the menu bar are tabs for "1. Select records", "2. Command input", "3. Preview", and "Statistics". A "View" dropdown is set to "All Entries" and a "Process" button is visible. The main area displays a table with columns for "#", "Record", "New", "Old", "Ind1", "Ind2", and "Data".

| # | Record | New | Old | Ind1 | Ind2 | Data |
|---|-----------|--------------------------|-------------------------|------|-------|------|
| 4 | b24518207 | i."0243 ja9780195160178" | i."020 ja9780195160178" | 3 | <any> | |
| 5 | b24627410 | i."0243 ja9781413301762" | i."020 ja9781413301762" | | | |
| 6 | b2458275x | i."0243 ja9780374299972" | i."020 ja9780374299972" | | | |
| 7 | b24558461 | i."0243 ja9783937202501" | i."020 ja9783937202501" | | | |
| 8 | b24598240 | i."0243 ja9781843107996" | i."020 ja9781843107996" | | | |

Below the main window is a dialog box titled "Change Variable-length Field(New Command)". It has a "Change field" section with checkboxes for "Use Displayed Field", "Match Case", "Match Whole Field", and "Match Whole Subfield". Below this is a table for defining the replacement:

| Field Group Tag | MARC Tag | Ind1 | Ind2 | Data |
|---------------------|----------|-----------|------|-------------|
| Find i ISBN/ISSN | 024 | 3 | | <any> |
| Replace i ISBN/ISSN | 020 | blank | | <no change> |

Buttons for "OK" and "Cancel" are at the bottom of the dialog box. The status bar at the bottom right of the main window shows "297 Records".

32

Do I have any ISBN-13 now?

UT LIBRARIES CATALOG
UTMOST

UT Libraries | OhioLINK | UT Home | Ask A Librarian

Start Over Save for Export View MARC Format Search OhioLINK Another Search

ISBN/ISSN: 9781575171807 Search
 Limit results to available items

Record Prev Next

Title: **Systemic change in schools [videorecording] : the superintendent's view of what works / Skylight Professional Development production in cooperation with N.A.K. Production Associates**

Publisher: Arlington Heights, IL : Skylight Training and Publishing, c1999

Permanent link to this record

| LOCATION | CALL NO. | STATUS |
|-------------------------|----------|-----------|
| CARLSON Microform/Media | VHS 1925 | AVAILABLE |

Descript. 1 videocassette (1 hr., 25 min., 33 sec.) : sd., col. ; 1/2 in
Note "Fifth International Teaching for Intelligence Conference - A Town Hall Panel."

Done

33

What might not work after the “change”?

- While the ISBN index will be fine, it may not find potential duplicates because:
 - Existing record only has an ISBN-10
 - New record only has an ISBN-13
- Database records may not find matches if ISBNs are just converted to the 13 digit number.
- NOTE: Some Indexing changes might make these not be a problem with Release 2006 – more details to follow.

34

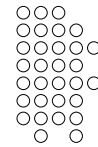
What is Innovative doing?



- Creating an indexing scheme to search and retrieve both traditional ISBNs as 13 digit ISBNs and expanded ISBNs (with the 978 prefix) as traditional ISBNs regardless of how they are entered in the bib record.
- Expanding functionality in EDIFACT ordering to better accommodate the ISBN-13
- Full support of ISBN-13 will come with Release 2006

35

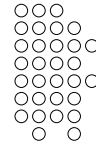
What should I be doing?



- Check Load Tables to make sure you are loading the 024.
- Find and convert 024 fields to 020 as per CSDirect to ensure that they can be found by the patrons.
- Change BISAC to EDIFACT Electronic Ordering*
- Talk to Your Vendors
 - Book Vendors
 - Content Providers
 - Innovative

36

ISBN-13 Resources



- CSDirect FAQ:
 - <http://csdirect.iii.com/faq/isbn13.shtml>
- ISBN Converter:
 - <http://www.isbn.org/converterpub.asp>
- ISBN-13 Conversion Toolkit
 - <http://www.isbn.org/toolkit.html>
- OCLC Interim Support for ISBN 13
 - <http://www.oclc.org/news/announcements/announcement96.htm>

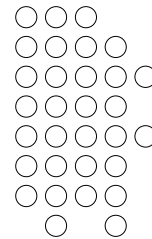
37



Questions?

Corey Seeman
University of Toledo
corey.seeman@utoledo.edu
<http://library.utoledo.edu/userhomes/cseeman>

Ann-Marie Breaux
YBP Library Services
abreaux@ybp.com
<http://www.ybp.com>



38