

Collective Catalogue for Hellenic Academic Libraries

VDX – Resource Sharing & Document Delivery

Nander Lankhorst – 7 May 2007

At the heart of your information



OCLC PICA

Agenda

- Introduction to VDX
- Example Implementations
- Functionality Hellenic Academic Libraries
- Demo book request (PowerPoint)
- Demo Article request (Live)



VDX is a document delivery and interlending management system that fully automates the requesting and supply of books and journal articles.

- Single institutions
- Consortia Libraries or whole countries
- More than 20.000 libraries use VDX worldwide

Discovery 2 Delivery

VDX

Search —> Locate —> Request —> Deliver

- *Get Anything — Anywhere*
- The requester supplies the bibliographic data
- VDX manages the request

Discovery 2 Delivery

VDX

Search → **Locate** → **Request** → **Deliver**

- Union Catalog - Virtual and/or Physical
- Individual catalogues
- Request Bib Data
 - ZPORTAL (patron portal - requesting)
 - VDX Staff Search
 - OpenURL
 - Structured Email
 - Manual

Discovery 2 Delivery

VDX

Search → **Locate** → Request → Deliver

- VDX locates potential suppliers Automatically
 - search remote databases to find potential suppliers
 - Incorporate preference rules (filtering and sorting)
 - Load level for internal suppliers
 - Different rules for different locations

Discovery 2 Delivery

VDX

Search —> Locate —> **Request** —> Deliver

- Transparent requesting to ANY supplier Library
- ISO/IPIG ILL
- Generic Script, Formatted Email, and more proprietary request protocols

Discovery 2 Delivery

VDX

Search —> Locate —> Request —> ***Deliver***

- Physical delivery management
 - Pick lists, ship lists
 - Automated user notification
 - Circulation integration
- E-Doc delivery management
 - Seamless integration with ARIEL
 - Scan on demand, E-Doc attachments
 - Commercial suppliers, BLDSC, CISTI
 - To library or desktop

Standards Used

- Implemented & operational within VDX today
 - Search
 - Z39.50, SRU, http
 - Circulation integration
 - SIP2, NCIP
 - Requesting
 - ISO ILL, OpenURL
 - Electronic Document Delivery
 - GEDI
 - Authentication
 - SIP2, NCIP, LDAP, Shibboleth, Kerberos, Athens

Implementation Scenarios

- Single institution - massive consortia - 1 to 6000 libraries
- Patron / Staff initiated requesting
- Locally managed / Web hosted
- Physical union catalogue / Virtual union catalogue - 1 to 200 catalogues
- Integrated search / independent search interface

Example VDX implementations

Ontario Council of University Libraries

- 20 libraries
- Patron initiated
- Virtual union catalogue
- Now linking their consortia to others
- Routing preference:
 - Internal to consortia
 - CISTI
 - BL
 - Australia

Example VDX implementations

National Library of New Zealand

- 230 libraries
- Physical Union Catalogue
- Staff Initiated
- Automatic routing and load levelling

Example VDX implementations

Australia

- National Library
 - 550 libraries
 - Staff initiated
 - Physical union catalogue - CBS
 - Integrated billing
- Universities
 - Individual systems
 - Patron Initiated, unmediated
- Peer-to-peer integration
- Distributed payments gateway

Example VDX implementations

Vereniging van Openbare Bibliotheken

- 1200 library locations
- National bibliographic databases & local library catalogues
- Patron initiated
- National A-Select authentication service
- Automatic routing based on van routes and load balancing
- Integration of local circulation systems using SIP2



Scenario for the Collective Catalogue of Hellenic Academic Libraries

Functionality Hellenic Academic Libraries

- Staff initiated - this means that staff can use Muse, the Collective Catalogue or the individual catalogues to locate requested items in Greece.
- The library staff can manually enter requests in VDX and supplying locations will automatically be added to the request.
- When the request is entered in the system VDX randomly sorts the locations – which can be edited and authorised by the library staff.

Functionality Hellenic Academic Libraries

- The first supplying location that receives a request will also receive an e-mail alert that they have to manage a request.
- The supplying library can either supply or not supply using the ISO messages in VDX
- If a library cannot supply then the request will automatically go to the next library on the list.
- If the request has reached the end of the list then the requesting library can either complete the request or try to find it elsewhere....

Functionality Hellenic Academic Libraries

- The Product will support Greek Character Set for entering requests in the system (manual) ISO -8859-7 and for sending the request between libraries.
- The interface will initially be available in English.
- The Manual produced for the consortium will initially be available in English and will be translated by ELIDOC when finalized.

Implementation steps

- Installation on OCLC PICA hardware ✓
- Configuration 5 libraries for acceptance test ✓
- Manual for Hellenic Academic Libraries ✓
- Initial training 5 libraries (8th May)
- Configuration changes following training (May)
- Finalizing Manual for acceptance (May)
- Acceptation test (June)
- Installation on hardware in Greece (TBD)
- Final acceptance and Go Live (TBD)
- Training other libraries (TBD)
- Support

Implementation steps

<http://test.vdx.greek.hostedbyfdi.net/>

5 libraries are configured/setup:

- National Technical University of Athens
- University of Crete
- Pantios University
- Technical University of Crete
- University of Patras



Demo Book Request



bioSearch
Login



Help



VDX Web Gateway 3.1 - Windows Internet Explorer

http://test.vdx.greek.hostedbyfdi.net/vdx/

Simple Search | Advanced Search | Results | **Book Action** | Create | Work Queue

ILL Request Search

Submit Reset Form

Your Library's Role

- Responder
- Requester
- Both

Display sent messages only
 Display Terminated requests only
 Display Not Supplied requests

Request Status

Status: ART-cancel-request-pending
ART-Conditional-ABS
ART-Conditional-DUP
ART-Conditional-fiche
ART-Conditional-film

Authorisation Status: [dropdown]
Last Action: [dropdown]
Service Level: [dropdown]
Service Type 1: [dropdown]
Log Message Type: [dropdown]

Format: Book
Print Journal
Journal article
Ejournal
Online article

Other fields

ILL No: [dropdown] [input] Or [dropdown]

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Barcode PATRAS1

VDX Web Gateway 3.1 - Windows Internet Explorer

http://test.vdx.greek.hostedbyfdi.net/vdx/

Links: Accountview, Customize Links, Free Hotmail, Windows, Windows Marketplace, Windows Media

Google, Go, Bookmarks, 17 blocked, Check, AutoLink, AutoFill, Send to, Settings

File, Edit, View, Favorites, Tools, Help

VDX Web Gateway 3.1

Simple Search | Advanced Search | Results | Bulk Action | Create | Work Queue

VDX

ILL Request

Action: REQUEST

Main | **Requester** | Service | Nota

Submit | Reset

Authorisation status: To be Authorised

Format: Book


Title: Marketing Management

Author: Kotler

ISBN: 0987654321123

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Barcode PATRAS1



VDX Web Gateway 3.1 - Windows Internet Explorer

http://test.vdx.greek.hostedbyfdi.net/vdx/

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Google, Go, Bookmarks, 17 blocked, Check, AutoLink, AutoFill, Send to, Settings

File, Edit, View, Favorites, Tools, Help

VDX Web Gateway 3.1

VDX

[Simple Search](#) [Advanced Search](#) [Results](#) [Bulk Action](#) [Create](#) [Work Queue](#)

ILL Request

Action: REQUEST / Requester

Main Rota Service Requester

Submit Reset

Client Name: Nander Lankhorst

Client Email: n.lankhorst@oclpica.org

Requester Address

Org, Dept, Bldg etc.

PO Box

Street

City

Postcode


Facsimile: Country Code Area Code Local Number Extension

+

Telephone: Country Code Area Code Local Number Extension

+

Barcode PATRAS1



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start | C:\Werk\FDI Nan... | Inbox - Microsoft ... | VDX Web Gatawa... | Microsoft PowerP... | EN | 16:41

VDX Web Gateway 3.1 - Windows Internet Explorer

http://test.vdx.greek.hostedbyfdi.net/vdx/

Links: Accountview, Customize Links, Free Hotmail, Windows, Windows Marketplace, Windows Media

Google G Go

File Edit View Favorites Tools Help

VDX Web Gateway 3.1

Simple Search | **Advanced Search** | Results | Bulk Action | Create | Work Queue

VDX

New Request


Your request has been successfully submitted.

The system has assigned an id of **351** to the request.

Use the [Requests](#) option to track the status of this request.

BibSearch
Requests
User
Location
Reports
Logout
Help

Barcode
PATRAS1



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start C:\Werk FDI Nan... Inbox - Microsoft ... VDX Web Gatewa... Microsoft PowerP... EN 16:44



ILL Request Search

- BibSearch
- Requests**
- User
- Location
- Reports
- Logout
- Help

Your Library's Role

- Responder
- Requester
- Both

- Display sent messages only
- Display Terminated requests only
- Display Not Supplied requests

Submit Reset Form

Request Status

Status: ART-cancel-request-pending
ART-Conditional-ABS
ART-Conditional-DUP
ART-Conditional-fiche
ART-Conditional-film

Authorisation Status: [dropdown]
Last Action: [dropdown]
Service Level: [dropdown]
Service Type 1: [dropdown]
Log Message Type: [dropdown]

Format: Book
Print Journal
Journal article
Ejournal
Online article

Other fields

ILL No [dropdown] | [input] | Or [dropdown]

VDX Web Gateway 3.1 - Windows Internet Explorer

http://test.vdx.greek.hostedbyfdi.net/vdx/

Links: HOB Accountview, Customize Links, Free Hotmail, Windows, Windows Marketplace, Windows Media

Google, Go, Bookmarks, 17 blocked, Check, AutoLink, AutoFill, Send to, Settings

File, Edit, View, Favorites, Tools, Help

VDX Web Gateway 3.1



[Simple Search](#) | [Advanced Search](#) | [Results](#) | [Bulk Action](#) | [Create](#) | [Work Queue](#)

Work Queue

- [BibSearch](#)
- [Requests](#)
- [User](#)
- [Location](#)
- [Reports](#)
- [Logout](#)
- [Help](#)

Barcode
PATRAS1



Borrower

Description	Total	Waiting
Cancel Pending	1	0
Idle	3	0
Pending	2	1
Received	2	0
Returned	1	0
Shipped	3	3
Messages		0
Standard Received list		2
Standard Returned list		0

Lender

Description	Total	Waiting
Conditional	0	0
In Process	4	3
Not Supplied	2	0
Shipped	3	0
Messages		0
Standard Pick list		4
Standard Shipping list		0

start | C:\Werk FDI Nan... | Inbox - Microsoft ... | VDX Web Gatewa... | Microsoft PowerP... | EN | 16:44

VDX Web Gateway 3.1 - Windows Internet Explorer

http://test.vdx.greek.hostedbyfdi.net/vdx/

Links: Accountview, Customize Links, Free Hotmail, Windows, Windows Marketplace, Windows Media

Google, Go, Bookmarks, 17 blocked, Check, AutoLink, AutoFill, Send to, Settings

File, Edit, View, Favorites, Tools, Help

VDX Web Gateway 3.1

VDX

Simple Search | Advanced Search | Results | Bulk Action | Create | Work Queue

Requester Results

Total Hits: 3

Bulk Action: Select all Deselect all

ILL No:Requester Symbol-TGQ-TQ-STQ: Responder Symbol

351:AAAAI:
Marketing Management Kotler
Status: Idle Authorisation: AutoMediated:AuthManual Last Action: REQUEST

REQUEST Bulk


346:AAAAI:
Marketing Management Kotler
Status: Idle Authorisation: AutoMediated:AuthManual Last Action: REQUEST

REQUEST Bulk

311:AAAAI:
Marketing Management Kotler
Status: Idle Authorisation: AutoMediated:AuthManual Last Action: REQUEST

REQUEST Bulk

Barcode
PATRAS1

 **fdi**
fretwell-downing

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start | C:\Werk.FDI Nan... | Inbox - Microsoft ... | VDX Web Gatewa... | Microsoft PowerP... | EN | 16:45

VDX Web Gateway 3.1 - Windows Internet Explorer


http://test.vdx.greek.hostedbyfdi.net/vdx/

Simple Search | Advanced Search | Results | Bulk Action | Create | Work Queue

VDX

BibSearch
Requests
User
Location
Reports
Logout
Help

Barcode
PATRAS1



ILL Request

Responder

Print Details

Main | Responder | Service | Requester | Control | Audit | Documents

Actions available: REQUEST Submit

Rota	
1	University of Crete - Library
2	Technical University of Crete - Library
3	Pantios University - Library
4	National Technical University of Athens Central Library

Requested Delivery Method: Postal Delivery

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start | C:\Werk FDI Nan... | Inbox - Microsoft ... | VDX Web Gatewa... | Microsoft PowerP... | EN | 16:45

VDX Web Gateway 3.1 - Windows Internet Explorer

http://test.vdx.greek.hostedbyfdi.net/vdx/

Links: Accountview, Customize Links, Free Hotmail, Windows, Windows Marketplace, Windows Media

Google, Go, Bookmarks, 17 blocked, Check, AutoLink, AutoFill, Send to, Settings

File, Edit, View, Favorites, Tools, Help

VDX Web Gateway 3.1

Simple Search | Advanced Search | Results | Bulk Action | Create | Work Queue

VDX

BibSearch
Requests
User
Location
Reports
Logout
Help

ILL Request

Action: REQUEST / Rota

Main Rota Service Requester

Submit Reset

ILL no: 351

Preliminary rota

1: AAAAE	↑
2: AAAAP	↓
3: PUL	↕
4: AAAAD	↓

Move selection up
Delete selection

To add to this rota manually, simply enter the required location codes below, separated by commas, and click on the "add" then "submit" buttons.

Add to rota Add

Note: when identifying a location by a naming authority and library symbol, these should be separated by a colon, eg. "OCLC:ABC".

View / Edit Entry Details


Location Code

In Suspension?

* Call Number

Chronology

Barcode
PATRAS1



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start | C:\Werk FDI Nan... | Inbox - Microsoft ... | VDX Web Gatewa... | Microsoft PowerP... | EN | 16:46



Action Successful

Your action has been successful.

Use the [Requests](#) option to search for more requests, or the [Results](#) option to return to the results of the last search.

- BibSearch
- Requests
- User
- Location
- Reports
- Logout
- Help

Barcode
PATRAS1



Extra line breaks in this message were removed.

From: a.christison@odcpica.org

Sent: Sat 05/05/2007 07:45

To: Nander Lankhorst

Cc:

Subject: This should go in the subject line, Request for Client Name: Nander

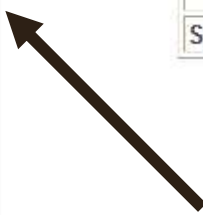
This is a test mail request

Account Id:
Additional:
Alternative Barcode:
Article Author:
Article Title:
Auditno: 371
Author:
Barcode: PATRAS1
Body:
Class Mark:
Client Department: 54
Client Name: Nander
Client Id: 54
Client Billing Address:
Client Billing Fax No:
Client Delivery Address:
Client Delivery Fax No:
Copyright Text:
Cost To User:
Current Date: Sat May 05 06:44:52 2007
Date of publication:
Delivery Method: ILL-DM1 - Electronic Mail Document Delivery Detail:
Due Date:
Edition:
Expiry Date:
Format: 102 - Book
ILL no: 360
Instructions: 2 - Copy non returnable



- BibSearch
- Requests
- User
- Location
- Reports
- Logout
- Help

Barcode
TUC1



Work Queue

Borrower

Description	Total	Waiting
Idle	0	0
Pending	0	0
Received	1	0
Received by Email or FTP	0	0
Shipped	1	1
Messages		0
Standard Received list		1
Standard Returned list		0

Lender

Description	Total	Waiting
In Process	2	2
Shipped	2	2
Messages		0
Standard Pick list		2
Standard Shipping list		2



- [BibSearch](#)
- [Requests](#)
- [User](#)
- [Location](#)
- [Reports](#)
- [Logout](#)
- [Help](#)

Barcode
TUC1



Pages
Attachments
Comments

Request No.: 352 **Status:** In Process
Call Number:
Expiration Date: 14-MAY-2007
Title: Marketing Management
Author: Kotler
Edition:
Publisher Info: ;
Publication Date:
Description:
ISBN/ISSN: 0987654321123
Publisher Number:
Format: Printed
Article Title:
Article Author:
Volume/Issue: **Pages:**
Article Date:
Copyright Compliance:
Request Notes:



Simple Search | Advanced Search | Results | Bulk Action | Create | Work Queue

- BibSearch
- Requests
- User
- Location
- Reports
- Logout
- Help

Responder Results

Total Hits: 2

Bulk Action: Select all Deselect all Reset Clear all Submit

ILL No:Requester Symbol-TGQ-TQ-STQ: Responder Symbol

352:AAAAI-351-350:AAAAP
Marketing Management Kotler
 Status: In Process:04 May 2007 Authorisation: To be Acknowledged Last Action: REQUEST-Indication:04 May 2007

Add **Shipped** Action Details Complete Acknowledge Print Bulk

249:AAAAD-247-246:AAAAP
British Railways holiday guide 1952.
 Status: In Process:27 Apr 2007 Authorisation: To be Acknowledged Last Action: REQUEST-Indication:27 Apr 2007

Add **Answer Conditional** Action Details Complete Acknowledge Print Bulk

End of Results

Total Hits: 2

Barcode
TUC1





- [BibSearch](#)
- [Requests](#)
- [User](#)
- [Location](#)
- [Reports](#)
- [Logout](#)
- [Help](#)

Barcode
TUC1



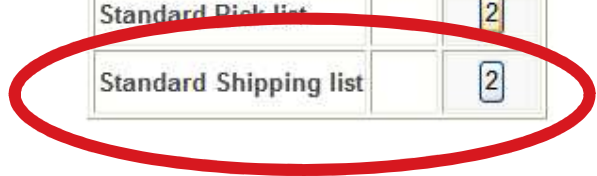
Work Queue

Borrower

Description	Total	Waiting
Idle	0	0
Pending	0	0
Received	1	0
Received by Email or FTP	0	0
Shipped	1	1
Messages		0
Standard Received list		1
Standard Returned list		0

Lender

Description	Total	Waiting
In Process	2	2
Shipped	2	2
Messages		0
Standard Pick list		2
Standard Shipping list		2





- BibSearch
- Requests
- User
- Location
- Reports
- Logout
- Help

Barcode
PATRAS1



Work Queue

Borrower

Description	Total	Waiting
Cancel Pending	1	0
Idle	2	0
Pending	2	1
Received	2	0
Returned	1	0
Shipped	4	4
Messages		0
Standard Received list		2
Standard Returned list		0

Lender

Description	Total	Waiting
Conditional	0	0
In Process	4	3
Not Supplied	2	0
Shipped	3	0
Messages		0
Standard Pick list		4
Standard Shipping list		0

Requester Results

Total Hits: 4

Bulk Action: Select all Deselect all

ILL No:Requester Symbol-TGQ-TQ-STQ: Responder Symbol

351:AAAAI-352-351:AAAAP Marketing Management Status: Shipped:04 May 2007 Authorisation: To be Acknowledged Last Action: Shipped-Indication:04 May 2007	<input type="button" value="Add"/> Received	<input type="button" value="Action"/> <input type="button" value="Details"/> <input type="button" value="Complete"/> <input type="button" value="Acknowledge"/> <input type="button" value="Print"/> Bulk <input type="checkbox"/>
263:AAAAI-265-267:AA British and Irish dram Status: Shipped:04 May 2007 Authorisation: To be Acknowledged Last Action: Shipped-Indication:04 May 2007	<input type="button" value="Add"/> Cost Adjustment Local Change Request Details Lost Message Received Renew Returned Terminate Request	<input type="button" value="Action"/> <input type="button" value="Details"/> <input type="button" value="Complete"/> <input type="button" value="Acknowledge"/> <input type="button" value="Print"/> Bulk <input type="checkbox"/>
225:AAAAI-227-236:AAAAD 10,001 of the worlds worst jokes. Status: Shipped:30 Apr 2007 Authorisation: To be Acknowledged Last Action: Shipped-Indication:30 Apr 2007	<input type="button" value="Add"/> Cost Adjustment	<input type="button" value="Action"/> <input type="button" value="Details"/> <input type="button" value="Complete"/> <input type="button" value="Acknowledge"/> <input type="button" value="Print"/> Bulk <input type="checkbox"/>





- [BibSearch](#)
- [Requests](#)
- [User](#)
- [Location](#)
- [Reports](#)
- [Logout](#)
- [Help](#)

Barcode
PATRAS1



Work Queue

Borrower

Description	Total	Waiting
Cancel Pending	1	0
Idle	2	0
Pending	2	1
Received	2	0
Returned	1	0
Shipped	4	4
Messages		0
Standard Received list		2
Standard Returned list		

Lender

Description	Total	Waiting
Conditional	0	0
In Process	4	3
Not Supplied	2	0
Shipped	3	0
Messages		0
Standard Pick list		4
Standard Shipping list		0

Your request is available at the library - Message (Plain Text)

File Edit View Insert Format Tools Actions Help

Reply Reply to All Forward

Extra line breaks in this message were removed.

From: a.christison@odcpica.org

Sent: Fri 04/05/2007 16:52

To: Nander Lankhorst

Cc:

Subject: Your request is available at the library

Your request is available at the library

Client Name: Nander Lankhorst

Client Id: 54

Client Billing Address:

Client Billing Fax No:

Client Delivery Address:

Client Delivery Fax No:

Current Date: Fri May 04 15:51:52 2007

Date of publication:

Delivery Method: ILL-DM4 - Postal Delivery Document Delivery Detail:

Due Date: 04-MAY-2007

Edition:

Expiry Date: 14-MAY-2007

Format: 102 - Book

ILL no: 351

Instructions: 1 - Loan

ISBN: 0987654321123

ISSN:

Issue title:

Item Type: 1 - Printed

Language: -

Local Due Date: 04-APR-2007

Max Cost Currency -

Max Cost Required

Medium: 1 - Printed

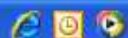
Notes:

Number:

Pages:

Part. Pubdate:

start



C:\Werk FDI Nan...

Inbox - Microsoft ...

VDX Web Gatewa...

Microsoft PowerP...

16:51



Simple Search Advanced Search Results Bulk Action Create Work Queue

Requester Results

Total Hits: 3

Bulk Action: Select all Deselect all

ILL No:Requester Symbol-TGQ-TQ-STQ: Responder Symbol

351:AAAAI-352-355:AAAAP
Marketing Management Kotler
 Status: Received:04 May 2007 Authorisation: Processed Last Action: Received:04 May 2007

Returned Bulk

376:AAAAI-337-342:AA...
About Harry Potter (n... should know! P.D. Moore. Moore, P. D. (Philton D.)
 Status: Received:04 M... Last Action: Received:04 May 2007

Bulk

260:AAAAI-261-333:AAAAE
test
 Status: Received:04 May 2007 Authorisation: Processed Last Action: Received:04 May 2007

Cost Adjustment Bulk

- BibSearch
- Requests
- User
- Location
- Reports
- Logout
- Help

Barcode PATRAS1



VDX Web Gateway 3.1 - Windows Internet Explorer

http://test.vdx.greek.hostedbyfdi.net/vdx/

Links: HOB Accountview, Customize Links, Free Hotmail, Windows, Windows Marketplace, Windows Media

Google, Go, Bookmarks, 18 blocked, Check, AutoLink, AutoFill, Send to, Settings

File, Edit, View, Favorites, Tools, Help

VDX Web Gateway 3.1

Simple Search | Advanced Search | Results | Bulk Action | Create | Work Queue

VDX

BibSearch
Requests
User
Location
Reports
Logout
Help

Responder Results

Total Hits: 3

Bulk Action: Select all Deselect all

ILL No:Requester Symbol-TGQ-TQ-STQ: Responder Symbol

352:AAAAI-351-353:AAAAP	Marketing Management Kotler Status: Shipped:04 May 2007 Authorisation: Acknowledged Last Action: Returned-Indication:04 May 2007	<input type="button" value="Action"/> <input type="button" value="Details"/> <input type="button" value="Complete"/> <input type="button" value="Acknowledge"/> <input type="button" value="Print"/> Bulk <input type="checkbox"/>
337:AAAAI-336-339:AAAAP	About Harry Potter (n... should know! / P.D. Moore. Moore, P. D. (Philton D.) Status: Shipped:04 May 2007 Authorisation: To be Acknowledged Last Action: Received-Indication:04 May 2007	<input type="button" value="Action"/> <input type="button" value="Details"/> <input type="button" value="Complete"/> <input type="button" value="Acknowledge"/> <input type="button" value="Print"/> Bulk <input type="checkbox"/>
281:AAAAD-280-278:AAAAP	Backstage passes : line up the wild side with David Bowie / Angela Bowie with Patrick Carr. Bowie, Angela. Status: Shipped:27 Apr 2007 Authorisation: To be Acknowledged Last Action: Received-Indication:27 Apr 2007	<input type="button" value="Action"/> <input type="button" value="Details"/> <input type="button" value="Complete"/> <input type="button" value="Acknowledge"/> <input type="button" value="Print"/> Bulk <input type="checkbox"/>

Barcode TUC1

fdi
fretwell-downing

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start | C:\Werk FD... | Inbox - Micr... | Your reques... | VDX Web G... | Microsoft Po... | EN | 16:53



Live Demo Article Request?

<http://test.vdx.greek.hostedbyfdi.net/>

Questions?