



WorldShare®

WMS NCIP for Interlibrary Loan

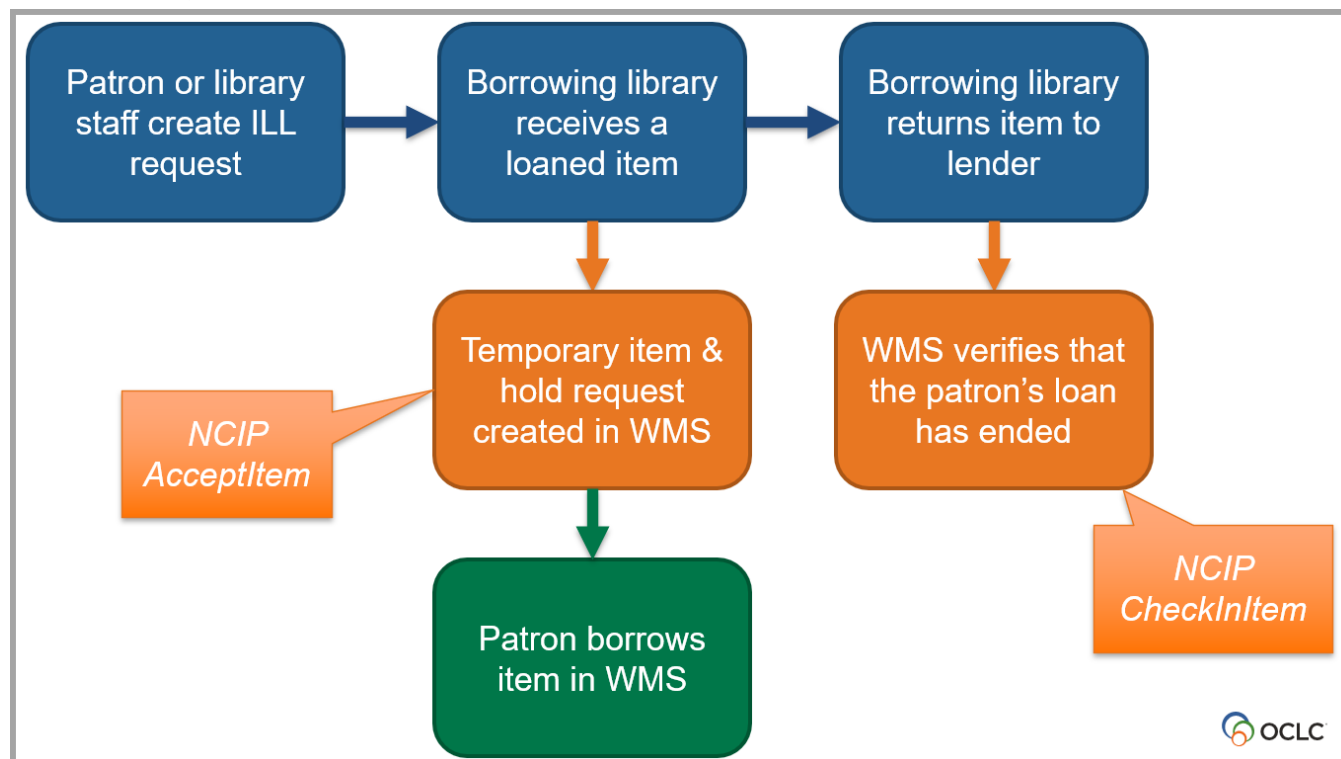
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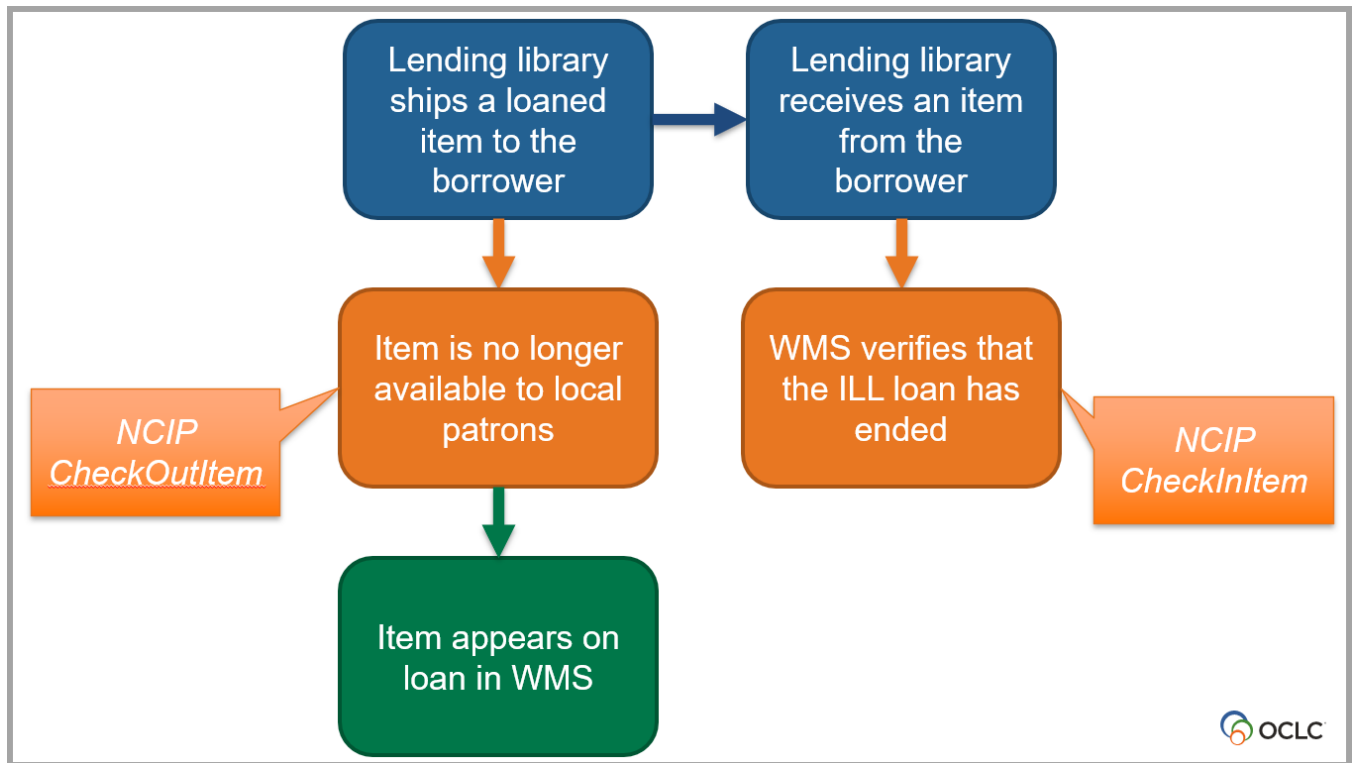
Overview

Workflows

Borrowing workflow



Lending workflow



Library staff experience in WMS

Enable and configure ILL integration in OCLC Service Configuration:

WorldCat Discovery and WorldCat Local

Third-Party Integrations

Metasearch Content

WMS Circulation

Patron Type Policy

Location Policy

Notifications and Receipts

Billing and Suspension

Loans

Holds and Schedules

Integrations

Groups

Admin/General

WorldCat Registry

IP Addresses

WorldShare ILL

OCLC WorldShare Management Services - Library (91475)

Integrations > ILL Settings

Required fields are marked with an asterisk (*).

Relais D2D

Enable ☒ Yes ☐ No

* Temporary Item Holding Location

* Temporary Item Shelving Location

Tipasa

Enable ☐ Yes ☒ No

Note: Please turn on setting in Tipasa to activate.

ZFL

Enable ☒ Yes ☐ No

* Borrowing Institution Patron Barcode

* Temporary Item Holding Location

* Temporary Item Shelving Location

* Hostname

* Port

View details about the status and source of an ILL item (borrower):

WorldShare®

Metadata Acquisitions Licenses **Circulation** Interlibrary Loan Analytics Admin

▶ Assist Patrons

Check In

▼ Discover Items

Enter barcode



Search

Data Type

Bibliographic Records

Scope

My Library Holdings

Index

Keyword

Term(s) ?

[Advanced Search](#)

✕ Close All Tabs

✕ Temporary Item: My dog may be a genius : poems

▶ Reports

Temporary Item: My dog may be a genius : poems

Item Details

Status On Hold [Kilgour, Fred](#)
WMS University

ReShare Request 210697413
Supplied by OCLC College

Owning Institution OCLC College

Holding Location Main Library

Shelving Location Permanent Interlibrary Loan

Temporary

Title My dog may be a genius : poems

Description of Item

Author Prelutsky, Jack; Stevenson, James; Greenwillow Books

Material Format  Book

Language

Local Call Number

Electronic Link

Barcode 210697413

Use Restrictions

View details about the status and source of an ILL item (lender):

Circulation	Interlibrary Loan	Analytics	Admin				
My dog may be a genius : poems (128237342)				Copies (1) Details WorldCat Holdings Holds (0) Schedules (0) Issues			
				Add Item			
Refresh Results 1 - 1 of 1				First Previous 1 Next Last			
Branch	Shelving Location	Call Number	Barcode #	Enumeration	Chronology	Item Status	Action
Jordan Education Library	2nd Floor	811.54	128237342001			On Loan Supplier, ReShare OCLC College ReShare Request 210697413 Loaned to WMS University	View/Edit

View details about the source of an ILL hold or loan from the patron's account:

Licenses
Circulation
Interlibrary Loan
Analytics
Admin

Fred Kilgour (kilgour)

Checkout
Holds
Bills
Suspension
Profile
History

Account Overview

Enter barcode
Go
[Set 'Due Date'](#)

Results 1 - 2 of 2

☐	Format	Title	Call Number	Barcode	Enumeration	Check Out Date	Due Date
☒		My dog may be a genius : poems / Prelutsky, Jack; Stevenson, James; Greenwillow Books <i>Temporary item</i> ReShare		210697413		11/08/2021 1:11:32 PM	02/25/2021 7:00:00 AM
☐		Undaunted courage : Meriwether Lewis, Thomas Jefferson, and the opening of the American West / Ambrose, Stephen E <i>Temporary item</i> WorldShare		207897951		05/04/2021 11:27:17 AM	05/31/2021 11:59:59 AM

Message Authentication

In all cases, it is expected that HTTP requests will be received using HTTPS with a suitable supported TLS version, and that all messages will be authenticated using the [OCLC WSKey standard](#).

Instead of requiring the identity of a staff user PPID or a Relying Party ID, the standard WSKey details (HMAC or Access Token as appropriate) are used to authenticate the partner ILL client. The WSKey must allow the partner client to use the WMS NCIP Service for the specified WMS library.

NCIP messages will be sent to a data-center specific URL that is handled by the WMS NCIP Service and can be routed using Institution IDs in the URIs. For example, a request to **<https://91475.share.worldcat.org/ncip/circ-staff>** will automatically direct the message to the U.S. Data Center for WMS.

Terminology

Throughout this article, the following terms are used:

- Requesting Institution - The Institution that is Requesting - or Borrowing - the resource.
- Supplying Institution - The Institution that is Supplying - or Lending - the resource. This is the Institution that owns the physical item.
- Circulation Desk - The terminal that accesses WMS Circulation.
- ILL Desk - The terminal that accesses the interlibrary loan or resource sharing system.
- Patron - The human being that is ultimately requesting the resource.
- Requesting Circ Staff - The human being that works on the Circulation Desk at the Requesting Institution.
- Requesting ILL Staff - The human being that works on the IL Desk at the Requesting Institution.
- Requesting Circulation - The Circulation System running at the Requesting Institution - ideally but not guaranteed to be WMS Circulation.
- Requesting ILL - The ILL System running at the Requesting Institution.
- Supplying Circ Staff - The human being that works on the Circulation Desk at the Supplying Institution.
- Supplying ILL Staff - The human being that works on the IL Desk at the Supplying Institution.
- Supplying Circulation - The Circulation System running at the Supplying Institution - ideally but not guaranteed to be WMS Circulation.
- Supplying ILL - The ILL System running at the Supplying Institution.
- Mandated Action - Many Circulation actions have policy restrictions, and if they are not met then the action can not be performed. A Mandated Action is where the action is considered to have already happened, and so the Circulation System is required to perform it regardless of policy.

Lending Library Workflow

The lender side workflow is the integration between the Supplying ILL system and the WMS Circulation System in the Supplying Library. Two actions are supported:

- **CheckOutItem** - used to indicate that an Item is now to be considered by the Supplying Circulation System as On Loan to the Requesting Institution
- **CheckInItem** - used to indicate that an Item is no longer to be considered by the Supplying Circulation System as On Loan to the Requesting Institution

CheckOutItem

CheckOutItem Request: NCIP fields

Path to NCIP Field	Name of Data	NCIP Schema	Required	Description
<i>InitiationHeader/FromSystemId</i>	ILL System Identity	System ID	Required	A means to identify the ILL System sending the request. This will be used to namespace Request IDs
<i>InitiationHeader/FromAgencyId/AgencyId</i>	Calling Institution ID	Agency ID	Required	The Institution ID of the Calling ILL System. This must be the same as "Target Institution ID"
<i>InitiationHeader/ToSystemId</i>		System ID	Required	Hardcoded to value "WMS Circ"
<i>InitiationHeader/ToAgencyId/AgencyId</i>	Target Institution ID	Agency ID	Required	The Institution ID of the Target Circulation System.
<i>InitiationHeader/ApplicationProfileType</i>	NCIP Application Profile	Application Profile	Required	The NCIP Profile that is being used.

Path to NCIP Field	Name of Data	NCIP Schema	Required	Description
<i>MandatedAction</i>	Mandated Action		Optional	Whether this action is to be considered as Mandated or not - i.e. has already happened - and, if so, when it happened
<i>UserId/UserIdentifierType</i>	Borrower Identifier Type	User Identification	Required	The type of Borrower Identifier that is provided
<i>UserId/UserIdentifierValue</i>	Borrower Identifier Value		Required	The actual Borrower Identifier, resolved based on the type
<i>ItemId/ItemIdentifierType</i>	Item Identifier Type	Item Identification	Required	The type of Item Identifier that is provided
<i>ItemId/ItemIdentifierValue</i>	Item Identifier Value		Required	The actual Item Identifier, resolved based on the type
<i>RequestId</i>			Optional	The Identification of the ILL Request
<i>RequestId/RequestIdentifierType</i>		Request Identification	Required if RequestId is present	The type of Request ID that is provided
<i>RequestId/RequestIdentifierValue</i>	ILL Request Identifier Value		Required if RequestId is present	The ILL Request ID that this Check Out is for
<i>DesiredDueDate</i>	Desired Due Date		Optional	The date that the Item is expected to be returned to the Supplying Institution from the Requesting Institution.

Example of CheckOutItem Request

1.0 Simple checkout

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:CheckOutItem>
    <ns1:InitiationHeader>
      <ns1:FromSystemId>
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare</ns1:Fr
omSystemId>
      <ns1:FromAgencyId>
        <ns1:AgencyId>
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">127923</ns1:Ag
encyId>
        </ns1:FromAgencyId>
      <ns1:ToSystemId>
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:ToSystemId>
      <ns1:ToAgencyId>
        <ns1:AgencyId>
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">127923</ns1:Ag
encyId>
        </ns1:ToAgencyId>
      <ns1:ApplicationProfileType>
ns1:Scheme="http://oclc.org/ncip/schemes/applicationprofiletype/circillapplicationp
rofiletype.scm">2.00</ns1:ApplicationProfileType>
    </ns1:InitiationHeader>
    <ns1:UserId>
      <ns1:UserIdIdentifierType>
ns1:Scheme="http://www.niso.org/ncip/v1_0/impl/schemes/visibleuseridentifiertype/vi
sibleuseridentifiertype.scm">Barcode</ns1:UserIdIdentifierType>
      <ns1:UserIdIdentifierValue>schluete</ns1:UserIdIdentifierValue> <!-- This
is the Barcode of the Patron representing the loan -->
    </ns1:UserId>
    <ns1:ItemId>
      <ns1:ItemIdIdentifierType>
ns1:Scheme="http://www.niso.org/ncip/v1_0/impl/schemes/visibleitemidentifiertype/vi
sibleitemidentifiertype.scm">Barcode</ns1:ItemIdIdentifierType>
      <ns1:ItemIdIdentifierValue>30135</ns1:ItemIdIdentifierValue> <!-- This is
the Barcode of the Item being borrowed -->
    </ns1:ItemId>
    <ns1:RequestId>
      <ns1:RequestIdIdentifierType>
ns1:Scheme="http://oclc.org/ncip/schemes/requestidentifiertype/circillrequestidenti
fiertype.scm">ILL Request Id</ns1:RequestIdIdentifierType>
      <ns1:RequestIdIdentifierValue>123456789</ns1:RequestIdIdentifierValue> <!--
This is the Unique ID of the ILL Request in the ILL System -->
    </ns1:RequestId>
  </ns1:CheckOutItem>
</ns1:NCIPMessage>
```

CheckOutItem Response: NCIP fields

Path to NCIP Field	NCIP Schema	Required	Description
<i>ResponseHeader/FromSystemId</i>	System ID	Required	Hard coded to the string "WMS Circ"
<i>ResponseHeader/FromAgencyId/AgencyId</i>	Agency ID	Required	Copy of the <i>"InitiationHeader/ToAgencyId/AgencyId"</i> from the incoming Request
<i>ResponseHeader/ToSystemId</i>	System ID	Required	Copy of the <i>"InitiationHeader/FromSystemId"</i> from the incoming Request
<i>ResponseHeader/ToAgencyId/AgencyId</i>	Agency ID	Required	Copy of the <i>"InitiationHeader/FromAgencyId/AgencyId"</i> from the incoming Request
<i>ItemId</i>	Item Identification	Required on Success	Copy of the <i>"ItemId"</i> from the incoming Request
<i>UserId</i>	User Identification	Required on Success	Copy of the <i>"UserId"</i> from the incoming Request
<i>DateDue</i>		Optional	If the Loan has a definite due date then specify that here. This might be different from the <i>DesiredDateDue</i> from the incoming request, due to local policy restrictions.
<i>IndeterminateLoanPeriodFlag</i>		Optional	Use this flag if the Loan has a <i>null</i> due date. This indicates that even though the Item is expected back, there is no set deadline for the loan.

Example of CheckOutItem Response

1.0 Successful checkout

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

  ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:CheckOutItemResponse>
    <ns1:InitiationHeader>
      <ns1:FromSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:FromSystemId>
      <ns1:FromAgencyId>
      <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
      </ns1:FromAgencyId>
      <ns1:ToSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare</ns1:To
SystemId>
      <ns1:ToAgencyId>
      <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
      </ns1:ToAgencyId>
    </ns1:InitiationHeader>
    <ns1:UserId>
      <ns1:UserIdentifierType
ns1:Scheme="http://oclc.org/ncip/schemes/userid/oclcids.scm">OCLC Institution
Registry Id</ns1:UserIdentifierType>
      <ns1:UserIdentifierValue>12345</ns1:UserIdentifierValue> <!-- This is
the OCLC Registry ID of the Requesting Institution -->
    </ns1:UserId>
    <ns1:ItemId>
      <ns1:ItemIdentifierType
ns1:Scheme="http://www.niso.org/ncip/v1_0/impl/schemes/visibleitemidentifiertype/vi
sibleitemidentifiertype.scm">Barcode</ns1:ItemIdentifierType>
      <ns1:ItemIdentifierValue>ItemBeingBorrowed</ns1:ItemIdentifierValue>
<!-- This is the Barcode of the Item being borrowed -->
    </ns1:ItemId>
    <ns1:DateDue>2018-12-01T17:59:00Z</ns1:DateDue>
  </ns1:CheckOutItemResponse>
</ns1:NCIPMessage>
```

2.0 Unsuccessful checkout - Unknown Item

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
                  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:CheckOutItemResponse>
    <ns1:InitiationHeader>
      <ns1:FromSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:FromSystemId>
      <ns1:FromAgencyId>
        <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
        </ns1:FromAgencyId>
      <ns1:ToSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare</ns1:To
SystemId>
      <ns1:ToAgencyId>
        <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
        </ns1:ToAgencyId>
      </ns1:InitiationHeader>
    <ns1:Problem>
      <ns1:ProblemType
ns1:Scheme="http://www.niso.org/ncip/v1_0/schemes/processingerrortype/checkoutitemp
rocessingerror.scm">Unknown Item</ns1:ProblemType>
      <ns1:ProblemElement>//ItemId</ns1:ProblemElement>
      <ns1:ProblemValue>BadItemBarcode</ns1:ProblemValue>
    </ns1:Problem>
  </ns1:CheckOutItemResponse>
</ns1:NCIPMessage>
```

Supported borrower schemes

The Borrower can be identified by any scheme/value pair listed in the "User Identification" section. Where possible, it should be the case that the Borrower that the Item is Checked Out to is actually the Requesting Institution. This means that it is identified by the "OCLC Institution Symbol" or "OCLC Institution Registry Id" options. This gives information to the Circulation System that a remote Institution is actually borrowing the item.

In some cases it might not be possible to do this, and the ILL System will instead be configured with a local Patron Barcode to use, which is typically a fake Patron used to represent ILL Loans. In this case it is acceptable to use the "Barcode" option instead.

Supported item schemes

The Item can only be identified by the scheme "http://www.niso.org/ncip/v1_0/imp1/schemes/visibleitemidentifiertype/visibleitemidentifiertype.scm" and value "Barcode". Any other values are invalid and will return an error.

Confidential. Not for distribution.

CheckInItem (Supplier)

CheckInItem Request: NCIP fields

Path to NCIP Field	Name of Data	NCIP Scheme	Required	Description
<i>InitiationHeader/FromSystemId</i>	ILL System Identity	System ID	Required	A means to identify the ILL System sending the request. This will be used to namespace Request IDs
<i>InitiationHeader/FromAgencyId/ AgencyId</i>	Calling Institution ID	Agency ID	Required	The Institution ID of the Calling ILL System. This must be the same as "Target Institution ID"
<i>InitiationHeader/ToSystemId</i>		System ID	Required	Hardcoded to value "WMS Circ"
<i>InitiationHeader/ToAgencyId/ AgencyId</i>	Target Institution ID	Agency ID	Required	The Institution ID of the Target Circulation System.
<i>InitiationHeader/ApplicationProfileType</i>	NCIP Application Profile	Application Profile	Required	The NCIP Profile that is being used.
<i>MandatedAction</i>	Mandated Action		Optional	Whether this action is to be considered as Mandated or not - i.e. has already happened - and, if so, when it happened
<i>ItemId/ItemIdentifierType</i>	Item Identifier Type	Item Identification	Required	The type of Item Identifier that is provided
<i>ItemId/ItemIdentifierValue</i>	Item Identifier Value		Required	The actual Item Identifier, resolved based on the type

Examples of CheckInItem Request

1.0 Check in by item barcode

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:CheckInItem>
    <ns1:InitiationHeader>
      <ns1:FromSystemId>
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare</ns1:Fr
omSystemId>
      <ns1:FromAgencyId>
        <ns1:AgencyId>
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
        </ns1:FromAgencyId>
      <ns1:ToSystemId>
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:ToSystemId>
      <ns1:ToAgencyId>
        <ns1:AgencyId>
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
        </ns1:ToAgencyId>
      <ns1:ApplicationProfileType>
ns1:Scheme="http://oclc.org/ncip/schemes/applicationprofiletype/circillapplicationp
rofiletype.scm">2.00</ns1:ApplicationProfileType>
    </ns1:InitiationHeader>
    <ns1:ItemId>
      <ns1:ItemIdentifierType>
ns1:Scheme="http://www.niso.org/ncip/v1_0/impl/schemes/visibleitemidentifiertype/vi
sibleitemidentifiertype.scm">Barcode</ns1:ItemIdentifierType>
      <ns1:ItemIdentifierValue>ItemBeingBorrowed</ns1:ItemIdentifierValue>
<!-- This is the Barcode of the Item being returned -->
    </ns1:ItemId>
  </ns1:CheckInItem>
</ns1:NCIPMessage>
```

2.0 Check in by ILL request ID

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
                  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:CheckInItem>
    <ns1:InitiationHeader>
      <ns1:FromSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare</ns1:Fr
omSystemId>
        <ns1:FromAgencyId>
          <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
            </ns1:FromAgencyId>
          <ns1:ToSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:ToSystemId>
            <ns1:ToAgencyId>
              <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
                </ns1:ToAgencyId>
              <ns1:ApplicationProfileType
ns1:Scheme="http://oclc.org/ncip/schemes/applicationprofiletype/circillapplicationp
rofiletype.scm">2.00</ns1:ApplicationProfileType>
            </ns1:InitiationHeader>
          <ns1:ItemId>
            <ns1:ItemIdentifierType
ns1:Scheme="http://oclc.org/ncip/schemes/requestidentifiertype/circillrequestidenti
fiertype.scm">ILL Request Id</ns1:ItemIdentifierType>
              <ns1:ItemIdentifierValue>123</ns1:ItemIdentifierValue> <!-- This is the
Unique ID of the ILL Request in the ILL System -->
            </ns1:ItemId>
          </ns1:CheckInItem>
        </ns1:NCIPMessage>
```

CheckOutItem Response: NCIP fields

Path to NCIP Field	NCIP Scheme	Required	Description
<i>ResponseHeader/FromSystemId</i>	System ID	Required	Hard coded to the string "WMS Circ"
<i>ResponseHeader/FromAgencyId/ AgencyId</i>	Agency ID	Required	Copy of the " <i>InitiationHeader/ToAgencyId/AgencyId</i> " from the incoming Request
<i>ResponseHeader/ToSystemId</i>	System ID	Required	Copy of the " <i>InitiationHeader/FromSystemId</i> " from the incoming Request
<i>ResponseHeader/ToAgencyId/ AgencyId</i>	Agency ID	Required	Copy of the " <i>InitiationHeader/FromAgencyId/AgencyId</i> " from the incoming Request
<i>ItemId</i>	Item Identification	Required on Success	Copy of the " <i>ItemId</i> " from the incoming Request

Examples of CheckInItem Response

1.0 Successful check in

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:CheckInItemResponse>
    <ns1:InitiationHeader>
      <ns1:FromSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:FromSystemId>
      <ns1:FromAgencyId>
        <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
      </ns1:FromAgencyId>
      <ns1:ToSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare</ns1:To
SystemId>
      <ns1:ToAgencyId>
        <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
      </ns1:ToAgencyId>
    </ns1:InitiationHeader>
    <ns1:ItemId>
      <ns1:ItemIdentifierType
ns1:Scheme="http://www.niso.org/ncip/v1_0/impl/schemes/visibleitemidentifiertype/vi
sibleitemidentifiertype.scm">Barcode</ns1:ItemIdentifierType>
      <ns1:ItemIdentifierValue>ItemBeingBorrowed</ns1:ItemIdentifierValue>
<!-- This is the Barcode of the Item being borrowed -->
    </ns1:ItemId>
  </ns1:CheckInItemResponse>
</ns1:NCIPMessage>
```

2.0 Unsuccessful check in - Unknown Item

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
                  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:CheckInItemResponse>
    <ns1:InitiationHeader>
      <ns1:FromSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:FromSystemId>
      <ns1:FromAgencyId>
        <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
        </ns1:FromAgencyId>
      <ns1:ToSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare</ns1:To
SystemId>
      <ns1:ToAgencyId>
        <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
        </ns1:ToAgencyId>
      </ns1:InitiationHeader>
    <ns1:Problem>
      <ns1:ProblemType
ns1:Scheme="http://www.niso.org/ncip/v1_0/schemes/processingerrortype/checkoutitemp
rocessingerror.scm">Unknown Item</ns1:ProblemType>
      <ns1:ProblemElement>//ItemId</ns1:ProblemElement>
      <ns1:ProblemValue>BadItemBarcode</ns1:ProblemValue>
    </ns1:Problem>
  </ns1:CheckInItemResponse>
</ns1:NCIPMessage>
```

Supported item schemes

The Item can be identified by any scheme/value pair listed in the "Item Identification" section. If identifying the Item by "ILL Request ID" then the item must have been checked out using the NCIP "CheckOutItem" message and providing the exact same value for the *RequestId/RequestIdentifierValue* field.

WMS prefers to identify the item by "ILL Request ID" to ensure that item handling is correct in WMS for pending loan requests, subsequent local loans, etc. For example, special handling is provided by WMS in the following scenario:

1. *CheckOutItem* is processed - marking the Item as On Loan
2. Item is shipped, used, and returned
3. *CheckInItem* is scheduled to be sent but is delayed for some reason.
4. Item is manually checked in by library staff
5. Item is checked out to a local patron
6. *CheckInItem* is processed – Item continues to be on loan to the local patron. WMS verifies only that the loan associated with the specified ILL request ID has been terminated.

Borrowing Library Workflow

The borrowing workflow is the integration between the Requesting ILL system and the WMS Circulation System in the Requesting Library. Two actions are supported:

- **LookUpUser** – used by the Requesting Library to authenticate and/or request details about a patron.
- **AcceptItem** - used to indicate that an Item has been received by the Requesting Library for a patron, and that the Circ system should represent this item as existing and being available to collect.
- **CheckInItem** - used to indicate that an Item is no longer in use by the Requesting Patron and that any loan it has should be terminated. This mostly exists to clean up in case the loan was not terminated by the Circulation desk correctly.

LookUpUser

LookUpUser Request: NCIP fields

Path to NCIP Field	NCIP Scheme	Required	Description
<i>InitiationHeader/ApplicationProfileType</i>	Application Profile	Required	The NCIP Profile that is being used.
<i>InitiationHeader/FromSystemId</i>	System ID	Required	A means to identify the ILL System sending the request. This will be used to namespace Request IDs
<i>InitiationHeader/FromAgencyId/AgencyId</i>	Agency ID	Required	The Institution ID of the Calling ILL System. This must be the same as "Target Institution ID"
<i>InitiationHeader/ToSystemId</i>	System ID	Required	Hardcoded to value "WMS Circ"
<i>InitiationHeader/ToAgencyId/AgencyId</i>	Agency ID	Required	The Institution ID of the Target Circulation System.
<i>UserId</i>		Exactly one of UserId or AuthenticationInput is required	

Path to NCIP Field	NCIP Scheme	Required	Description
<i>UserId/UserIdentifierType</i>	User Identification	Required	The Scheme must be "http://oclc.org/ncip/schemes/eidm/relyingPartyId.scm", meaning that the value is a Relying Party ID and the <i>UserIdentifierValue</i> is a PPID in this namespace. Use of this option assumes that the client has already authenticated the user.
<i>UserId/UserIdentifierValue</i>		Required	
<i>AuthenticationInput</i>		Exactly one of <i>UserId</i> or <i>AuthenticationInput</i> is required	
<i>AuthenticationInput/AuthenticationInputType</i>	Authentication Input Type	Required	Must have one entry present with a value of "Barcode Id" and a second with a value of either "Password" or "PIN". Any more or less is an error. The "Password" option is available only if the IdP is WMS Authentication or LDAP. Otherwise, "PIN" data must be provided.
<i>AuthenticationInput/AuthenticationDataFormatType</i>	Authentication Data Format Type	Required	
<i>AuthenticationInput/AuthenticationInputData</i>		Required	
<i>UserElementType</i>	User Element Type	Optional / Repeatable	

Example of LookUpUser Request

1.0 LookUpUser by PPID - No extra details requested

```
<?xml version="1.0" encoding="utf-8"?>
<NCIPMessage xmlns="http://www.niso.org/2008/ncip">
  <LookupUser>
    <InitiationHeader>
      <ApplicationProfileType Scheme="http://oclc.org/ncip/schemes/applicationprofiletype/circillapplicationprofiletype.scm">2.00</ApplicationProfileType>
      <FromSystemId Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">SHA
REit</FromSystemId>
      <FromAgencyId>
        <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
      </FromAgencyId>
      <ToSystemId Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ToSystemId>
      <ToAgencyId>
        <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
      </ToAgencyId>
    </InitiationHeader>
    <UserId>
      <UserIdentifierType Scheme="http://oclc.org/ncip/schemes/eidm/relyingPartyId.scm"
>urn:oclc:platform:91475</UserIdentifierType>
      <UserIdentifierValue>4eeec63-364e-412b-b492-c039e2d9d20b</UserIdentifierValue>
    </UserId>
  </LookupUser>
</NCIPMessage>
```

2.0 LookUpUser by barcode and password – No extra details requested

```
<?xml version="1.0" encoding="utf-8"?>
<NCIPMessage xmlns="http://www.niso.org/2008/ncip">
  <LookupUser>
    <InitiationHeader>
      <ApplicationProfileType Scheme="http://oclc.org/ncip/schemes/applicationprofiletype/circillapplicationprofiletype.scm">2.00</ApplicationProfileType>
      <FromSystemId Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">SHA
REit</FromSystemId>
      <FromAgencyId>
        <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
      </FromAgencyId>
      <ToSystemId Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ToSystemId>
      <ToAgencyId>
        <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
      </ToAgencyId>
    </InitiationHeader>
    <AuthenticationInput>
      <AuthenticationInputType Scheme="http://www.niso.org/ncip/v1\_0/imp1/schemes/authenticationinputtype/authenticationinputtype.scm">Barcode Id</AuthenticationInputType>
      <AuthenticationDataFormatType Scheme="http://www.iana.org/assignments/media-types/">text/plain</AuthenticationDataFormatType>
      <AuthenticationInputData>Barcode</AuthenticationInputData>
    </AuthenticationInput>
    <AuthenticationInput>
      <AuthenticationInputType Scheme="http://www.niso.org/ncip/v1\_0/imp1/schemes/authenticationinputtype/authenticationinputtype.scm">Password</AuthenticationInputType>
      <AuthenticationDataFormatType Scheme="http://www.iana.org/assignments/media-types/">text/plain</AuthenticationDataFormatType>
      <AuthenticationInputData>Pa55word!</AuthenticationInputData>
    </AuthenticationInput>
  </LookupUser>
</NCIPMessage>
```

3.0 LookUpUser by barcode and password – All details requested

```
<?xml version="1.0" encoding="utf-8"?>
<NCIPMessage xmlns="http://www.niso.org/2008/ncip">
  <LookupUser>
    <InitiationHeader>
      <ApplicationProfileType Scheme="http://oclc.org/ncip/schemes/applicationprofiletype/circillapplicationprofiletype.scm">2.00</ApplicationProfileType>
      <FromSystemId Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">SHA
REit</FromSystemId>
      <FromAgencyId>
        <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
      </FromAgencyId>
      <ToSystemId Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ToSystemId>
      <ToAgencyId>
        <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
      </ToAgencyId>
    </InitiationHeader>
    <AuthenticationInput>
      <AuthenticationInputType Scheme="http://www.niso.org/ncip/v1\_0/imp1/schemes/authenticationinputtype/authenticationinputtype.scm">Barcode Id</AuthenticationInputType>
      <AuthenticationDataFormatType Scheme="http://www.iana.org/assignments/media-types/">text/plain</AuthenticationDataFormatType>
      <AuthenticationInputData>coxg</AuthenticationInputData>
    </AuthenticationInput>
    <AuthenticationInput>
      <AuthenticationInputType Scheme="http://www.niso.org/ncip/v1\_0/imp1/schemes/authenticationinputtype/authenticationinputtype.scm">PIN</AuthenticationInputType>
      <AuthenticationDataFormatType Scheme="http://www.iana.org/assignments/media-types/">text/plain</AuthenticationDataFormatType>
      <AuthenticationInputData>1234</AuthenticationInputData>
    </AuthenticationInput>
    <UserElementType Scheme="http://www.niso.org/ncip/v1\_0/schemes/userelementtype/userelementtype.scm">Name Information</UserElementType>
    <UserElementType Scheme="http://www.niso.org/ncip/v1\_0/schemes/userelementtype/userelementtype.scm">User Address Information</UserElementType>
    <UserElementType Scheme="http://www.niso.org/ncip/v1\_0/schemes/userelementtype/userelementtype.scm">Block Or Trap</UserElementType>
  </LookupUser>
</NCIPMessage>
```

LookUpUser Response: NCIP fields

Path to NCIP Field	NCIP Scheme	Required	Description
<i>ResponseHeader/FromSystemId</i>	System ID	Required	Hardcoded to the string "WMS Circ"
<i>ResponseHeader/FromAgencyId/AgencyId</i>	Agency ID	Required	Copy of the "InitiationHeader/ToAgencyId/AgencyId" from the incoming Request
<i>ResponseHeader/ToSystemId</i>	System ID	Required	Copy of the "InitiationHeader/FromSystemId" from the incoming Request
<i>ResponseHeader/ToAgencyId/AgencyId</i>	Agency ID	Required	Copy of the "InitiationHeader/FromAgencyId/AgencyId" from the incoming Request
<i>UserId</i>			
<i>UserId/UserIdIdentifierType</i>	User Identification	Required	The type of Borrower Identifier that is provided. This will always be "Barcode"
<i>UserId/UserIdIdentifierValue</i>		Required	The actual Borrower Identifier resolved based on the type
<i>UserOptionalFields</i>		Optional	
<i>UserOptionalFields/NameInformation</i>		Optional	Will be provided if requested and data is available
<i>UserOptionalFields/NameInformation/PersonalNameInformation</i>		Required	
<i>UserOptionalFields/NameInformation/PersonalNameInformation/StructuredPersonalUserName</i>		Required	

Path to NCIP Field	NCIP Scheme	Required	Description
<i>UserOptionalFields/NameInformation/ PersonalNameInformation/ StructuredPersonalUserName/Prefix</i>		Optional	
<i>UserOptionalFields/NameInformation/ PersonalNameInformation/ StructuredPersonalUserName/GivenName</i>		Optional	
<i>UserOptionalFields/NameInformation/ PersonalNameInformation/ StructuredPersonalUserName/Initials</i>		Optional	
<i>UserOptionalFields/NameInformation/ PersonalNameInformation/ StructuredPersonalUserName/Surname</i>		Required	If not provided in the user record, then an empty string will be provided in the response.
<i>UserOptionalFields/NameInformation/ PersonalNameInformation/ StructuredPersonalUserName/Suffix</i>		Optional	
<i>UserOptionalFields/UserAddressInformation</i>		Optional / Repeatable	Will be provided if requested and data is available
<i>UserOptionalFields/UserAddressInformation/ UserAddressRoleType</i>	User Address Role Type	Required	
<i>UserOptionalFields/UserAddressInformation/ ValidFromDate</i>		Optional	Can be supported for PhysicalAddress only
<i>UserOptionalFields/UserAddressInformation/ ValidToDate</i>		Optional	Can be supported for PhysicalAddress only

Path to NCIP Field	NCIP Scheme	Required	Description
<i>UserOptionalFields/UserAddressInformation/PhysicalAddress</i>		Exactly one of PhysicalAddress or ElectronicAddress is required in each UserAddressInformation	
<i>UserOptionalFields/UserAddressInformation/PhysicalAddress/PhysicalAddressType</i>	Physical Address Type	Required	
<i>UserOptionalFields/UserAddressInformation/PhysicalAddress/StructuredAddress</i>		Required	
<i>UserOptionalFields/UserAddressInformation/PhysicalAddress/StructuredAddress/Line1</i>		Required	If not provided in the user record, then an empty string will be provided in the response.
<i>UserOptionalFields/UserAddressInformation/PhysicalAddress/StructuredAddress/Line2</i>		Optional	
<i>UserOptionalFields/UserAddressInformation/PhysicalAddress/StructuredAddress/Locality</i>		Optional	
<i>UserOptionalFields/UserAddressInformation/PhysicalAddress/StructuredAddress/Region</i>		Optional	
<i>UserOptionalFields/UserAddressInformation/PhysicalAddress/StructuredAddress/Country</i>		Optional	
<i>UserOptionalFields/UserAddressInformation/PhysicalAddress/StructuredAddress/PostalCode</i>		Optional	
<i>UserOptionalFields/UserAddressInformation/ElectronicAddress</i>		Exactly one of PhysicalAddress or ElectronicAddress is required in each UserAddressInformation	
<i>UserOptionalFields/UserAddressInformation/ElectronicAddress/ElectronicAddressType</i>	Electronic Address Type	Required	
<i>UserOptionalFields/UserAddressInformation/ElectronicAddress/ElectronicAddressData</i>		Required	

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Path to NCIP Field	NCIP Scheme	Required	Description
<i>UserOptionalFields/BlockOrTrap</i>		Optional / Repeatable	Will be provided if requested and data is available
<i>UserOptionalFields/BlockOrTrap/AgencyId</i>	Agency ID	Required	
<i>UserOptionalFields/BlockOrTrap/BlockOrTrapType</i>	Block Or Trap Type	Required	
<i>UserOptionalFields/BlockOrTrap/ValidFromDate</i>		Optional	Will be provided depending on the BlockOrTrapType
<i>UserOptionalFields/BlockOrTrap/ValidToDate</i>		Optional	Will be provided depending on the BlockOrTrapType

Example of LookUpUser Response

1.0 Successful lookup – No extra details

```

<?xml version="1.0" encoding="utf-8"?>
<NCIPMessage xmlns="http://www.niso.org/2008/ncip">
  <LookupUserResponse>
    <ResponseHeader>
      <FromSystemId Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</FromSystemId>
      <FromAgencyId>
        <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
      </FromAgencyId>
      <ToSystemId Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">SHARE
it</ToSystemId>
      <ToAgencyId>
        <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
      </ToAgencyId>
    </ResponseHeader>
    <UserId>
      <UserIdentifiedType Scheme="http://www.niso.org/ncip/v1_0/imp1/schemes/visibleuse
ridentifiertype/visibleuseridentifiertype.scm">Barcode</UserIdentifierType>
      <UserIdentifierValue>Barcode</UserIdentifierValue>
    </UserId>
  </LookupUserResponse>
</NCIPMessage>

```

2.0 Successful lookup – All details provided

```
<?xml version="1.0" encoding="utf-8"?>
<NCIPMessage xmlns="http://www.niso.org/2008/ncip">
  <LookupUserResponse>
    <ResponseHeader>
      <FromSystemId Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</FromSystemId>
      <FromAgencyId>
        <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
      </FromAgencyId>
      <ToSystemId Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">SHARE
it</ToSystemId>
      <ToAgencyId>
        <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
      </ToAgencyId>
    </ResponseHeader>
    <UserId>
      <UserIdentifiedType Scheme="http://www.niso.org/ncip/v1\_0/impl/schemes/visibleuse
ridentiifiertype/visibleuseridentifiertype.scm">Barcode</UserIdentifierType>
      <UserIdentifierValue>starkt</UserIdentifierValue>
    </UserId>
    <UserOptionalFields>
      <NameInformation>
        <PersonalNameInformation>
          <StructuredPersonalUserName>
            <Prefix>Dr</Prefix>
            <GivenName>Tony</GivenName>
            <Initials>E.</Initials>
            <Surname>Stark</Surname>
          </StructuredPersonalUserName>
        </PersonalNameInformation>
      </NameInformation>
      <UserAddressInformation>
        <UserAddressRoleType Scheme="http://www.niso.org/ncip/v2\_0/impl/schemes/useradd
ressroletype/useraddressroletype.scm">Home</UserAddressRoleType>
        <PhysicalAddress>
          <PhysicalAddressType Scheme="http://www.niso.org/ncip/v1\_0/impl/schemes/physi
caladdresstype/physicaladdresstype.scm">Street Address</PhysicalAddressType>
          <StructuredAddress>
            <Line1>10880 Malibu Point</Line1>
            <Locality>Malibu</Locality>
            <Region>CA</Region>
            <Country>United States</Country>
            <PostalCode>90265</PostalCode>
          </StructuredAddress>
        </PhysicalAddress>
      </UserAddressInformation>
      <UserAddressInformation>
        <UserAddressRoleType Scheme="http://www.niso.org/ncip/v2\_0/impl/schemes/useradd
ressroletype/useraddressroletype.scm">Work</UserAddressRoleType>
        <PhysicalAddress>
```

```

    <PhysicalAddressType Scheme="http://www.niso.org/ncip/v1\_0/impl/schemes/physicaladdressstype/physicaladdressstype.scm">Street Address</PhysicalAddressType>
    <StructuredAddress>
      <Line1>Stark Industries</Line1>
      <Line2>1200 Industrial Ave</Line2>
      <Locality>Long Beach</Locality>
      <Region>CA</Region>
      <Country>United States</Country>
      <PostalCode>90803</PostalCode>
    </StructuredAddress>
  </PhysicalAddress>
</UserAddressInformation>
<UserAddressInformation>
  <UserAddressRoleType Scheme="http://www.niso.org/ncip/v2\_0/impl/schemes/useraddressroletype/useraddressroletype.scm">Work</UserAddressRoleType>
  <ElectronicAddress>
    <ElectronicAddressType Scheme="">mailto</ElectronicAddressType>
    <ElectronicAddressData>tony@starkindustries.com</ElectronicAddressData>
  </ElectronicAddress>
</UserAddressInformation>
<UserAddressInformation>
  <UserAddressRoleType Scheme="http://www.niso.org/ncip/v2\_0/impl/schemes/useraddressroletype/useraddressroletype.scm">Work</UserAddressRoleType>
  <ElectronicAddress>
    <ElectronicAddressType Scheme="http://www.iana.org/assignments/uri-schemes">tel</ElectronicAddressType>
    <ElectronicAddressData>212-970-4133</ElectronicAddressData>
  </ElectronicAddress>
</UserAddressInformation>
<BlockOrTrap>
  <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
  <BlockOrTrapType Scheme="http://oclc.org/ncip/schemes/wms-circ/blockOrTrapType.scm">Patron Blocked</BlockOrTrapType>
</BlockOrTrap>
<BlockOrTrap>
  <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
  <BlockOrTrapType Scheme="http://oclc.org/ncip/schemes/wms-circ/blockOrTrapType.scm">Patron Expired</BlockOrTrapType>
  <ValidFromDate>2022-02-02T00:00:00Z</ValidFromDate>
</BlockOrTrap>
<BlockOrTrap>
  <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
  <BlockOrTrapType Scheme="http://oclc.org/ncip/schemes/wms-circ/blockOrTrapType.scm">Patron Suspended</BlockOrTrapType>
  <ValidToDate>2022-12-25T12:34:56Z</ValidToDate>
</BlockOrTrap>
<BlockOrTrap>
  <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
  <BlockOrTrapType Scheme="http://oclc.org/ncip/schemes/wms-circ/blockOrTrapType.scm">Patron Requires Membership</BlockOrTrapType>
  <ValidFromDate>2022-03-04T05:06:07Z</ValidFromDate>

```

```

    </BlockOrTrap>
  </UserOptionalFields>
</LookupUserResponse>
</NCIPMessage>

```

3.0 Unsuccessful lookup – Unknown user or authentication failed

```

<?xml version="1.0" encoding="utf-8"?>
<NCIPMessage xmlns="http://www.niso.org/2008/ncip">
  <LookupUserResponse>
    <ResponseHeader>
      <FromSystemId Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</FromSystemId>
      <FromAgencyId>
        <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
      </FromAgencyId>
      <ToSystemId Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">SHARE
it</ToSystemId>
      <ToAgencyId>
        <AgencyId Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">9147
5</AgencyId>
      </ToAgencyId>
    </ResponseHeader>
    <Problem>
      <ProblemType Scheme="http://www.niso.org/ncip/v1\_0/schemes/processingerrortype/lookupuserprocessingerror.scm">User Authentication Failed</ProblemType>
    </Problem>
  </LookupUserResponse>
</NCIPMessage>

```

AcceptItem Request: NCIP fields

Path to NCIP Field	Name of Data	NCIP Scheme	Required	Description
<i>InitiationHeader/FromSystemId</i>	ILL System Identity	System ID	Required	A means to identify the ILL System sending the request. This will be used to namespace Request IDs
<i>InitiationHeader/FromAgencyId/AgencyId</i>	Calling Institution ID	Agency ID	Required	The Institution ID of the Calling ILL System. This must be the same as "Target Institution ID"
<i>InitiationHeader/ToSystemId</i>		System ID	Required	Hardcoded to value "WMS Circ"
<i>InitiationHeader/ToAgencyId/AgencyId</i>	Target Institution ID	Agency ID	Required	The Institution ID of the Target Circulation System.
<i>InitiationHeader/ ApplicationProfileType</i>	NCIP Application Profile	Application Profile	Required	The NCIP Profile that is being used.
Mandated Action			Optional	Whether this action is to be considered as Mandated or not - i.e. has already happened - and, if so, when it happened
RequestId			Required	The Identification of the ILL Request
<i>RequestId/RequestIdentifierType</i>		Request Identification	Required	The type of Request ID that is provided
<i>RequestId/RequestIdentifierValue</i>	ILL Request Identifier Value		Required	The ILL Request ID that this Item is for
RequestedActionType			Required	The Action to perform for the Requested Item

<i>UserId/UserIdentifierType</i>	Borrower Identifier Type	User Identification	Required	The type of Borrower Identifier that is provided
<i>UserId/UserIdentifierValue</i>	Borrower Identifier Value		Required	The actual Borrower Identifier, resolved based on the type
ItemId			Required if the <i>RequestedActionType</i> is "Circulate"	
ItemId/AgencyId	Item Owner Institution ID	Agency ID	Required if ItemId is present	The Institution that Owns the Item which has been supplied
<i>ItemId/ItemIdentifierType</i>	Item Identifier Type	Item Identification	Required if ItemId is present	The type of Item Identifier that is provided
<i>ItemId/ItemIdentifierValue</i>	Item Identifier Value		Required if ItemId is present	The actual Item Identifier, resolved based on the type
DateForReturn			Optional	
ItemOptionalFields/ BibliographicDescription/Author			Optional	
ItemOptionalFields/ BibliographicDescription/Edition			Optional	
ItemOptionalFields/ BibliographicDescription/ PublicationDate			Optional	
ItemOptionalFields/ BibliographicDescription/Publisher			Optional	
ItemOptionalFields/ BibliographicDescription/Title			Required	

ItemOptionalFields/ BibliographicDescription/ BibliographicLevel		Bibliographic Level	Optional	
ItemOptionalFields/ BibliographicDescription/ MediumType		Bibliographic Medium Type	Optional	
ItemOptionalFields/ ItemDescription/CallNumber			Optional	
PickupLocation	Pickup Location for Item	Pickup Location ID	Optional	
PickupExpiryDate			Optional	

Example of AcceptItem Request

1.0 Accept Item and Check In to fulfil patron Hold

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:AcceptItem>
    <ns1:InitiationHeader>
      <ns1:FromSystemId>
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare</ns1:Fr
omSystemId>
      <ns1:FromAgencyId>
        <ns1:AgencyId>
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
        </ns1:FromAgencyId>
      <ns1:ToSystemId>
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:ToSystemId>
      <ns1:ToAgencyId>
        <ns1:AgencyId>
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
        </ns1:ToAgencyId>
      <ns1:ApplicationProfileType>
ns1:Scheme="http://oclc.org/ncip/schemes/applicationprofiletype/circillapplicationp
rofiletype.scm">2.00</ns1:ApplicationProfileType>
    </ns1:InitiationHeader>
    <ns1:RequestId>
      <ns1:RequestIdentifierType>
ns1:Scheme="http://oclc.org/ncip/schemes/requestidentiifiertype/circillrequestidenti
fiertype.scm">ILL Request Id</ns1:RequestIdentifierType>
      <ns1:RequestIdentifierValue>123</ns1:RequestIdentifierValue> <!-- This
is the Request ID in the ILL System -->
    </ns1:RequestId>
    <ns1:RequestedActionType>
ns1:Scheme="http://www.niso.org/ncip/v1_0/impl/schemes/requestedactiontype/requeste
dactiontype.scm">Circulate</ns1:RequestedActionType>
    <ns1:UserId>
      <ns1:UserIdentifierType>
ns1:Scheme="http://www.niso.org/ncip/v1_0/impl/schemes/visibleuseridentiifiertype/vi
sibleuseridentiifiertype.scm">Barcode</ns1:UserIdentifierType>
      <ns1:UserIdentifierValue>SomeExamplePatronBarcode</ns1:UserIdentifierValue> <!--
This is the Barcode of the Patron in the Requesting Circ System -->
    </ns1:UserId>
    <ns1:ItemId>
      <ns1:AgencyId>
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId> <!-- This is the Supplying Institution -->
      <ns1:ItemIdentifierType>
ns1:Scheme="http://www.niso.org/ncip/v1_0/impl/schemes/visibleitemidentiifiertype/vi
sibleitemidentiifiertype.scm">Barcode</ns1:ItemIdentifierType>
```

```

<ns1:ItemIdentifierValue>SomeExampleItemBarcode</ns1:ItemIdentifierValue> <!-- This
is the barcode of the item -->
</ns1:ItemId>
<ns1:ItemOptionalFields>
  <ns1:BibliographicDescription>
    <ns1:Author>J. R. R. Tolkien</ns1:Author>
    <ns1:Edition>1997</ns1:Edition>
    <ns1:PublicationDate>1997</ns1:PublicationDate>
    <ns1:Publisher>Harper Collins</ns1:Publisher>
    <ns1:Title>The Hobbit</ns1:Title>
    <ns1:BibliographicLevel
ns1:Scheme="http://www.niso.org/ncip/v1_0/impl/schemes/bibliographiclevel/bibliogra
phiclevel.scm">Monograph</ns1:BibliographicLevel>
    <ns1:MediumType
ns1:Scheme="http://worldcat.org/ncip/schemes/v2/extensions/mediumtype.scm">Book</ns
1:MediumType>
  </ns1:BibliographicDescription>
  <ns1:ItemDescription>
    <ns1:CallNumber>PR6039.O32 H633 1997</ns1:CallNumber>
  </ns1:ItemDescription>
</ns1:ItemOptionalFields>
  <ns1:PickupLocation
ns1:Scheme="http://oclc.org/ncip/schemes/pickuplocation/branchid.scm">125569</ns1:P
ickupLocation> <!-- This is the WMS Branch ID of the Pickup Location -->
  </ns1:AcceptItem>
</ns1:NCIPMessage>

```

AcceptItem Response: NCIP fields

Path to NCIP Field	NCIP Scheme	Required	Description
<i>ResponseHeader/FromSystemId</i>	System ID	Required	Hard coded to the string "WMS Circ"
<i>ResponseHeader/FromAgencyId/AgencyId</i>	Agency ID	Required	Copy of the <i>"InitiationHeader/ToAgencyId/AgencyId"</i> from the incoming Request
<i>ResponseHeader/ToSystemId</i>	System ID	Required	Copy of the <i>"InitiationHeader/FromSystemId"</i> from the incoming Request
<i>ResponseHeader/ToAgencyId/AgencyId</i>	Agency ID	Required	Copy of the <i>"InitiationHeader/FromAgencyId/AgencyId"</i> from the incoming Request
<i>RequestId</i>	Request Identification	Required on Success	Copy of the <i>"RequestId"</i> from the incoming Request
<i>ItemId</i>	Item Identification	Required on Success	Copy of the <i>"ItemId"</i> from the incoming Request

Example of AcceptItem Response

1.0 Successful Accept Item

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
                  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:AcceptItemResponse>
    <ns1:InitiationHeader>
      <ns1:FromSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:FromSystemId>
      <ns1:FromAgencyId>
        <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
      </ns1:FromAgencyId>
      <ns1:ToSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare
</ns1:ToSystemId>
      <ns1:ToAgencyId>
        <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
      </ns1:ToAgencyId>
    </ns1:InitiationHeader>
    <ns1:RequestId>
      <ns1:RequestIdentifierType
ns1:Scheme="http://oclc.org/ncip/schemes/requestidentiifiertype/circillrequestidenti
fiertype.scm">ILL Request Id</ns1:RequestIdentifierType>
      <ns1:RequestIdentifierValue>123</ns1:RequestIdentifierValue>
    </ns1:RequestId>
    <ns1:ItemId>
      <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
      <ns1:ItemIdentifierType
ns1:Scheme="http://www.niso.org/ncip/v1_0/impl/schemes/visibleitemidentiifiertype/vi
sibleitemidentiifiertype.scm">Barcode</ns1:ItemIdentifierType>
    <ns1:ItemIdentifierValue>SomeExampleItemBarcode</ns1:ItemIdentifierValue>
    </ns1:ItemId>
  </ns1:AcceptItemResponse>
</ns1:NCIPMessage>
```

2.0 Unsuccessful Accept Item - Unknown Patron

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
                  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:AcceptItemResponse>
    <ns1:InitiationHeader>
      <ns1:FromSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:FromSystemId>
      <ns1:FromAgencyId>
        <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
        </ns1:FromAgencyId>
      <ns1:ToSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare
</ns1:ToSystemId>
      <ns1:ToAgencyId>
        <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
        </ns1:ToAgencyId>
      </ns1:InitiationHeader>
    <ns1:Problem>
      <ns1:ProblemType
ns1:Scheme="http://www.niso.org/ncip/v1_0/schemes/processingerrortype/acceptitempro
cessingerror.scm">Unknown User</ns1:ProblemType>
      <ns1:ProblemElement>//UserId/UserIdentifierValue</ns1:ProblemElement>
      <ns1:ProblemValue>SomeUnknownUser</ns1:ProblemValue>
    </ns1:Problem>
  </ns1:AcceptItemResponse>
</ns1:NCIPMessage>
```

Supported borrower schemes

The User can only be identified by the scheme

"http://www.niso.org/ncip/v1_0/imp1/schemes/visibleuseridentifiertype/visibleuseridentifiertype.scm" and value "Barcode". Any other values are invalid and will return an error.

Supported item schemes

The Item can only be identified by the scheme "http://www.niso.org/ncip/v1_0/imp1/schemes/visibleitemidentifiertype/visibleitemidentifiertype.scm" and value "Barcode". Any other values are invalid and will return an error.

CheckInItem (Requester)

Note: Requester-side check in is functionally identical to the Lender side message, but is duplicated here for completeness.

CheckInItem Request: NCIP fields

Path to NCIP Field	Name of Data	NCIP Scheme	Required	Description
<i>InitiationHeader/FromSystemId</i>	ILL System Identity	System ID	Required	A means to identify the ILL System sending the request. This will be used to namespace Request IDs
<i>InitiationHeader/FromAgencyId/AgencyId</i>	Calling Institution ID	Agency ID	Required	The Institution ID of the Calling ILL System. This must be the same as "Target Institution ID"
<i>InitiationHeader/ToSystemId</i>		System ID	Required	Hardcoded to value "WMS Circ"
<i>InitiationHeader/ToAgencyId/AgencyId</i>	Target Institution ID	Agency ID	Required	The Institution ID of the Target Circulation System.
<i>InitiationHeader/ ApplicationProfileType</i>	NCIP Application Profile	Application Profile	Required	The NCIP Profile that is being used.
<i>MandatedAction</i>	Mandated Action		Optional	Whether this action is to be considered as Mandated or not - i.e. has already happened - and, if so, when it happened
<i>ItemId/ItemIdentifierType</i>	Item Identifier Type	Item Identification	Required	The type of Item Identifier that is provided
<i>ItemId/ItemIdentifierValue</i>	Item Identifier Value		Required	The actual Item Identifier, resolved based on the type

Example of CheckInItem Request

1.0 Check in by item barcode

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:CheckInItem>
    <ns1:InitiationHeader>
      <ns1:FromSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare
</ns1:FromSystemId>
        <ns1:FromAgencyId>
          <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
            </ns1:FromAgencyId>
          <ns1:ToSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:ToSystemId>
            <ns1:ToAgencyId>
              <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
                </ns1:ToAgencyId>
              <ns1:ApplicationProfileType
ns1:Scheme="http://oclc.org/ncip/schemes/applicationprofiletype/circillapplicationp
rofiletype.scm">2.00</ns1:ApplicationProfileType>
            </ns1:InitiationHeader>
          <ns1:ItemId>
            <ns1:ItemIdentifierType
ns1:Scheme="http://www.niso.org/ncip/v1_0/impl/schemes/visibleitemidentifiertype/vi
sibleitemidentifiertype.scm">Barcode</ns1:ItemIdentifierType>
              <ns1:ItemIdentifierValue>ItemBeingBorrowed</ns1:ItemIdentifierValue>
<!-- This is the Barcode of the Item being returned -->
            </ns1:ItemId>
          </ns1:CheckInItem>
        </ns1:NCIPMessage>
```

2.0 Check in by ILL request ID

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
                  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:CheckInItem>
    <ns1:InitiationHeader>
      <ns1:FromSystemId>
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare</ns1:FromSystemId>
      <ns1:FromAgencyId>
        <ns1:AgencyId>
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:AgencyId>
        </ns1:FromAgencyId>
      <ns1:ToSystemId>
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:ToSystemId>
      <ns1:ToAgencyId>
        <ns1:AgencyId>
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:AgencyId>
        </ns1:ToAgencyId>
      <ns1:ApplicationProfileType>
ns1:Scheme="http://oclc.org/ncip/schemes/applicationprofiletype/circillapplicationprofiletype.scm">2.00</ns1:ApplicationProfileType>
    </ns1:InitiationHeader>
    <ns1:ItemId>
      <ns1:ItemIdentifierType>
ns1:Scheme="http://oclc.org/ncip/schemes/requestidentifiertype/circillrequestidentifiertype.scm">ILL Request Id</ns1:ItemIdentifierType>
      <ns1:ItemIdentifierValue>123</ns1:ItemIdentifierValue> <!-- This is the
Unique ID of the ILL Request in the ILL System -->
    </ns1:ItemId>
  </ns1:CheckInItem>
</ns1:NCIPMessage>
```

CheckInItem Response: NCIP fields

Path to NCIP Field	NCIP Scheme	Required	Description
<i>ResponseHeader/FromSystemId</i>	System ID	Required	Hard coded to the string "WMS Circ"
<i>ResponseHeader/FromAgencyId/AgencyId</i>	Agency ID	Required	Copy of the " <i>InitiationHeader/ToAgencyId/AgencyId</i> " from the incoming Request
<i>ResponseHeader/ToSystemId</i>	System ID	Required	Copy of the " <i>InitiationHeader/FromSystemId</i> " from the incoming Request
<i>ResponseHeader/ToAgencyId/AgencyId</i>	Agency ID	Required	Copy of the " <i>InitiationHeader/FromAgencyId/AgencyId</i> " from the incoming Request
<i>ItemId</i>	Item Identification	Required on Success	Copy of the " <i>ItemId</i> " from the incoming Request

Example of CheckInItem Response

1.0 Successful Check In

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
  <ns1:CheckInItemResponse>
    <ns1:InitiationHeader>
      <ns1:FromSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:FromSystemId>
      <ns1:FromAgencyId>
        <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
      </ns1:FromAgencyId>
      <ns1:ToSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare</ns1:To
SystemId>
      <ns1:ToAgencyId>
        <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
      </ns1:ToAgencyId>
```

Confidential. Not for distribution.

```

        </ns1:InitiationHeader>
        <ns1:ItemId>
            <ns1:ItemIdentifierType
ns1:Scheme="http://www.niso.org/ncip/v1_0/impl/schemes/visibleitemidentifiertype/vi
sibleitemidentifiertype.scm">Barcode</ns1:ItemIdentifierType>
            <ns1:ItemIdentifierValue>ItemBeingBorrowed</ns1:ItemIdentifierValue>
<!-- This is the Barcode of the Item being borrowed -->
        </ns1:ItemId>
    </ns1:CheckInItemResponse>
</ns1:NCIPMessage>

```

2.0 Unsuccessful Check In - Unknown Item

```

<?xml version="1.0" encoding="UTF-8"?>
<ns1:NCIPMessage xmlns:ns1="http://www.niso.org/2008/ncip"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://www.niso.org/2008/ncip
http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd"

ns1:version="http://www.niso.org/schemas/ncip/v2_02/ncip_v2_02.xsd">
    <ns1:CheckInItemResponse>
        <ns1:InitiationHeader>
            <ns1:FromSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">WMS
Circ</ns1:FromSystemId>
            <ns1:FromAgencyId>
                <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
            </ns1:FromAgencyId>
            <ns1:ToSystemId
ns1:Scheme="http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm">ReShare</ns1:To
SystemId>
            <ns1:ToAgencyId>
                <ns1:AgencyId
ns1:Scheme="http://oclc.org/ncip/schemes/agencyid/institutionid.scm">91475</ns1:Age
ncyId>
            </ns1:ToAgencyId>
        </ns1:InitiationHeader>
        <ns1:Problem>
            <ns1:ProblemType
ns1:Scheme="http://www.niso.org/ncip/v1_0/schemes/processingerrortype/checkoutitemp
rocessingerror.scm">Unknown Item</ns1:ProblemType>
            <ns1:ProblemElement>//ItemId</ns1:ProblemElement>
            <ns1:ProblemValue>BadItemBarcode</ns1:ProblemValue>
        </ns1:Problem>
    </ns1:CheckInItemResponse>
</ns1:NCIPMessage>

```

Supported item schemes

The Item can be identified by any scheme/value pair listed in the "Item Identification" section. If identifying the Item by "ILL Request ID" then the item must have been accepted using the NCIP "AcceptItem" message and providing the exact same value for the RequestId/RequestIdentifierValue field. WMS has no preference between check in by barcode vs. ILL request ID on the requesting side of the workflow.

NCIP Schemes

Application Profile

Scheme URI	Value	Description
http://oclc.org/ncip/schemes/applicationprofiletype/circillapplicationprofiletype.scm	2.00	Version 2.0 of the WMS/ILL NCIP profile

System ID

Scheme URI	Value	Description
http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm	WMS Circ	System is WMS Circulation
http://oclc.org/ncip/schemes/systemid/oclcsystemid.scm	Any valid partner system ID	Identifies which partner service is sending the NCIP request to WMS for processing, e.g., WSILL, D2D, etc.

Agency ID

Scheme URI	Value	Description
http://oclc.org/ncip/schemes/agencyid/symbol.scm	Any valid OCLC Symbol	Unique identifier for an institution/library in the OCLC system, e.g., OCWMS
http://oclc.org/ncip/schemes/agencyid/institutionid.scm	Any valid WorldCat Registry ID	Unique identifier for an institution/library in the WorldCat Registry, e.g., 91475

Pickup Location ID

Scheme URI	Value	Description
http://oclc.org/ncip/schemes/pickuplocation/branchid.scm	Any valid WorldCat Registry ID	Unique identifier from the WorldCat Registry for the WMS library branch where the item will be retrieved by the borrowing user, e.g., 125569 is the ID for the Main Branch of institution OCWMS/91475.
http://oclc.org/ncip/schemes/wms-circ/pickuplocation/specialpickuplocation.scm	Any valid special pickup location ID	Unique identifier for a specific pickup location within a WMS branch, e.g., MainBranchReadingRoomA is the ID for the Main Branch's Reading Room A location of institution OCWMS/91475.

Authentication Input Type

Scheme URI	Value	Description
http://www.niso.org/ncip/v1_0/imp1/schemes/authenticationinputtype/authenticationinputtype.scm	Barcode Id	The barcode to identify the user.
http://www.niso.org/ncip/v1_0/imp1/schemes/authenticationinputtype/authenticationinputtype.scm	Password	A secret - password or PIN - from the user.
http://www.niso.org/ncip/v1_0/imp1/schemes/authenticationinputtype/authenticationinputtype.scm	PIN	A secret - password or PIN - from the user.

Authentication Data Format Type

Scheme URI	Value	Description
http://www.iana.org/assignments/media-types	text/plain	The value is in plain text

User Identification

Scheme URI	Value	Description
http://www.niso.org/ncip/v1_0/imp1/schemes/visibleuseridentifiertype/visibleuseridentifiertype.scm	Barcode	User for the Transaction is a Patron identified by the Patron Barcode
http://oclc.org/ncip/schemes/userid/oclcids.scm	OCLC Institution Symbol	User for the Transaction is an Institution identified by an OCLC Symbol
http://oclc.org/ncip/schemes/userid/oclcids.scm	WorldCat Registry ID	User for the Transaction is an Institution identified by a WorldCat Registry ID

User Address Role Type

Scheme URI	Value	Description
http://www.niso.org/ncip/v2_0/imp1/schemes/useraddressroletype/useraddressroletype.scm	Home	The address is a home address
http://www.niso.org/ncip/v2_0/imp1/schemes/useraddressroletype/useraddressroletype.scm	Work	The address is a Work address
	Exact value from the user record	This indicates that the value is from an unconstrained list and may be unique to this Requesting Library.

Physical Address Type

Scheme URI	Value
http://www.niso.org/ncip/v1_0/imp1/schemes/physicaladdresstype/physicaladdresstype.scm	Postal Address

Electronic Address Type

Scheme URI	Value	Description
http://www.iana.org/assignments/uri-schemes	mailto	The address is an email address
http://www.iana.org/assignments/uri-schemes	tel	The address is a telephone number

Block Or Trap Type

Scheme URI	Value	Description
http://oclc.org/ncip/schemes/wms-circ/blockOrTrapType.scm	Patron Blocked	The patron is currently marked as blocked
http://oclc.org/ncip/schemes/wms-circ/blockOrTrapType.scm	Patron Expired	The patron's account has expired.
http://oclc.org/ncip/schemes/wms-circ/blockOrTrapType.scm	Patron Not Verified	The patron's account is not verified.
http://oclc.org/ncip/schemes/wms-circ/blockOrTrapType.scm	Patron Suspended	The patron is currently suspended from using circulation services. In this case, the ValidToDate will indicate when the suspension is scheduled to end.
http://oclc.org/ncip/schemes/wms-circ/blockOrTrapType.scm	Patron Requires Membership	The patron requires a paid library membership that is not yet activated. In this case, the ValidFromDate indicates when the inactive membership was created.

Item Identification

Scheme URI	Value	Description
http://www.niso.org/ncip/v1_0/imp1/schemes/visibleitemidentifiertype/visibleitemidentifiertype.scm	Barcode	Item for the Transaction is identified by the Item Barcode
http://oclc.org/ncip/schemes/requestidentifiertype/circillrequestidentifiertype.scm	ILL Request Id	Item for the Transaction is identified by the Request ID of the ILL Request associated with the item Note that this might be for an ILL Request that has never been seen before, in which case the Item might not be resolvable.

Request Identification

Scheme URI	Value	Description
http://oclc.org/ncip/schemes/requestidentifiertype/circillrequestidentifiertype.scm	ILL Request Id	Unique identifier for the ILL request as provided by the ILL system

Bibliographic Medium Type

Note: Complete list of values is available upon request.

Scheme URI	Value
http://worldcat.org/ncip/schemes/v2/extensions/mediumtype.scm	As defined in org.extensiblecatalog.ncip.v2.wclv1_0.WCLv1_0MediumType
http://worldcat.org/ncip/schemes/v2/extensions/v1_1/mediumtype.scm	"Book PrintBook" - corresponds exactly to "Book" in the above.

Bibliographic Level

Scheme URI	Value	Description
http://www.niso.org/ncip/v1_0/imp1/schemes/bibliographiclevel/bibliographiclevel.scm	Monograph	Single Part Item Type *Recommended
http://www.niso.org/ncip/v1_0/imp1/schemes/bibliographiclevel/bibliographiclevel.scm	Serial	Serial Item Type

Accept Item Requested Action Type

Scheme URI	Value	Meaning
http://www.oclc.org/ncip/schemes/ws-illv1_0requestedactiontype/requestedactiontype.scm	Hold For Fulfillment	Create a Hold Request for the specified Item
http://www.niso.org/ncip/v1_0/imp1/schemes/requestedactiontype/requestedactiontype.scm	Circulate	Create and fulfil the Hold Request for the specified Item Note: Fulfillment will occur at the item's holding location. Item may be In Transit or On Hold as a result of this action type.

Processing Errors

http://www.niso.org/ncip/v1_0/schemes/processingerrortype/checkinitemprocessingerror.scm

http://www.niso.org/ncip/v1_0/schemes/processingerrortype/lookupuserprocessingerror.scm

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