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Interoperability Testing of the British Library's ARTISO

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1. INTRODUCTION

The following tests must be completed successfully to prove interoperability with BL ARTISO service. The tests are shown as a sequence of steps in tables.

ART (Automated Request Transmission) is the British Library's system for interfacing with **ARP** (Automated Request Processing), the British Library's system for satisfying requests. **ISOGATE** is the name of the server at the BL, **ARTISO** is the name of the requesting service that BL is providing.

The symbol name symbol for the BL is **BL** and the name authority is **BL** (ie. BL:BL). The email address for ARTISO is artiso@isogate.bl.uk, the IP address is **194.66.233.27**.

Before using this test system let us know your System Id, MIME Address and IP address. We will allocate you a test user code and password.

2. RESTRICTIONS

If the following restrictions are not followed your ILL-Request will be rejected as NOT SUPPLIED.

- i) The extension prompt-1 must contain a usercode and password.
- ii) One of the values loan (1) or copy-non-returnable (2) must be included in the ILL-service-type.
- iii) Requester-optional-messages.requester-CHECKED-IN must not be set to required.
- iv) Need-before-date must not set to a value, or if set then expiry-flag must not have value need-before-date (1)
- v) Expiry-date is not set or if set then expiry-flag must not have value other-date (1)
- vi) The retry-flag should be set only when the requester has been sent an ILL-Answer with the transaction-results set to retry.

Do not include cost-info-type.maximum-cost in your ILL-Request, if you do it will automatically be responded to with a conditional message reading "The British Library can not accept request with a maximum cost. Do you wish to continue this transaction without a maximum cost ?"

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3. FIRST BASIC TEST

This test is to show basic interoperability. A request with default parameters is sent by the requester. The requester and the British Library will confirm the correct state change. The British Library (via their ART System) will send an ILL-Answer. Again the requester and the British Library will confirm the correct state change. The requester will also check that the correct values for the parameters have been received.

Further testing requires that this test is carried out successfully. **The same ILL-Request parameters should be set for all subsequent tests unless alternative values are given.**

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-Request ::= iLL-service-type = copy-non-returnable requester-optional-messages. requester-optional-message-type. requester-CHECKED-IN = desires search-type. level-of-search = "(" (i.e. Normal local) expiry-flag = no-expiry supply-medium-info-type = SEQUENCE: supply-medium-type = printed supply-medium-type = photocopy supply-medium-type = microform item-id. title = <i>test no: FIRST BASIC TEST</i> retry-flag = FALSE iLL-request-extensions. AccessControlFormat-prompt-1. response = SEQUENCE OF SEQUENCE: prompt-id = userId prompt-response = <i>BL allocated user code</i> prompt-id = password prompt-response = <i>BL allocated password</i>	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = PHOTO bibliographic details = <i>test no: FIRST BASIC TEST</i>	
	wand reply	reply code = NOT	
	check responder state	type NOT-SUPPLIED	

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check requester state		type NOT-SUPPLIED	
check ILL-Answer.transaction- results		RETRY	
+ retry-results.reason-not- available		OTHER	
+ responder-note		<i>ART REQ. NO. = BL TEXT = We do not hold the requested title. To retry you must use a higher level of search.</i>	

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4. TESTING THE ILL-REQUEST PARAMETERS

Some of the information in the ILL-Request needs to be converted from the ISO ILL format to the ART format. This first set of tests is required to establish confidence that these ISO ILL parameters can be converted intelligently and without any loss of significant data. In particular bibliographic details in the **item-id** needs converting to 11 lines of up to 40 characters and the **delivery-address** needs converting to 5 lines of up to 33 characters.

4.1 item-id FOR A JOURNAL ARTICLE

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: copy-non-returnable item-id series-title-number = test no: JOURNAL ITEM-ID volume-issue = VOLUME ISSUE publication-date = 1850 PUB DATE author-of-article = AUTHOR OF ARTICLE title-of-article = TITLE OF ARTICLE pagination = PAGINATION	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = PHOTO bibliographic details = test no: JOURNAL ITEM-ID 1850 PUB DATE VOLUME ISSUE PP: PAGINATION AUTHOR OF ARTICLE TITLE OF ARTICLE	

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4.2 item-id FOR A BOOK REQUEST

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: loan item-id author = AUTHOR title = <i>test no:</i> TITLE sub-title = SUBTITLE place-of-publication = PLACE OF PUBLICATION publisher = PUBLISHER edition = EDITION publication-date = 1850 PUB DATE ISBN = 0123456789	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = LOAN bibliographic details = AUTHOR <i>test no:</i> TITLE: SUBTITLE 1850 PUB DATE EDITION PUBLISHER ... ISBN	

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4.3 delivery-address.postal-address

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: loan copy-non-returnable item-id.title = test no: USING A POSTAL DELIVERY ADDRESS client-id.client-name = REQUESTER delivery-address.postal-address. name-of-institution = DO NOT PROCESS steet-and-number = TEST STREET post-office-box = TEST BOX city = TEST CITY region = TEST REG country = TEST COUNTRY postal-code = TEST PO	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = address = REQUESTER DO NOT PROCESS TEST STREET TEST CITY TEST REGION TEST BOX TEST COUNTRY TEST PO	

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4.4 electronic-delivery FOR ARIEL FTP

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: copy-non-returnable item-id.title = test no: ARIEL FTP FOR ELECTRONIC DELIVERY delivery-service.electronic-delivery e-delivery-mode = OID:1.0.10161.9.1.2 e-delivery-parameters = Ariel FTP e-delivery-details.e-delivery-address. telecom-service-address = 123.456.789.012	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
check ART request	check ART request	ART REQ. NO. = BARCODE = message keyword = PHOTO address = PLEASE SEND BY ARIEL FTP KEY IN: 123.456.789.012 ARIEL	

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4.5 electronic delivery FOR ARIEL SMTP

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: copy-non-returnable item-id.title = test no: ARIEL SMTP DELIVERY ADDRESS delivery-service.electronic-delivery e-delivery-mode = OID:1.0.10161.9.1.1 e-delivery-parameters = Ariel MIME e-delivery-details.e-delivery-address. telecom-service-address= requester@library.world	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = PHOTO address = PLEASE SEND BY ARIEL SMTP KEY IN: requester@library.world ARIEL	

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4.6 electronic-delivery FOR FAX

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: copy-non-returnable item-id.title = test no: FAX DELIVERY ADDRESS delivery-service.electronic-delivery e-delivery-mode = OID:1.0.10161.9.2 e-delivery-parameters = FAX e-delivery-details.e-delivery-address.telecom- service-address = +001.12345.1234567x12	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = PHOTO address = PLEASE SEND BY FAX KEY IN: +001.12345.1234567x12 FAXBACK	

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4.7 copyright-compliance

ARTISO requires the symbol BL:CFP to be used.

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: copy-non-returnable item-id.title = <i>test no:</i> COPYRIGHT-COMPLIANCE copyright-compliance = BL:CFP	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = COPYRT	

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4.8 search-type.level-of-service

In this test the level-of-service is set to the abstract type "{" (normal extended) which equates to a BL BACKUP search.

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: loan copy-non-returnable item-id.title = test no: LEVEL-OF-SERVICE search-type.level-of-search = "{"	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. BARCODE = message keyword = BACKUP	

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4.9 place-on-hold

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: loan copy-non-returnable item-id.title = test no: PLACE ON HOLD place-on-hold.place-on-hold-type = NO	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = WLX	

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5. TESTING OTHER SERVICES

5.1 CONDITIONAL ACCEPTED WITH STATUS QUERY

This tests the use of:

ILL-Request

ILL-Answer type CONDITIONAL

Conditional-Reply type YES

Status-Query

Status-Query-Error-Report

The BL informs the user we only hold the abstract of the requested article in the original language. The requester replies that this is OK. The requester then checks the status of their request.

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: copy-non-returnable item-id.title = <i>test no:</i> CONDITIONAL ACCEPTED	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = PHOTO	
	wand reply	reply code = ORIG	
	check responder state	type CONDITIONAL	
check requester state		type CONDITIONAL	
check ILL-Answer transaction-results		CONDITIONAL	
+ conditional-results.conditions		OTHER	
+ responder-note		<i>ART REQ. NO. = BL TEXT = We do not hold a translation of this item. We hold it in the original language only.</i>	
add ILL-Request APDU settings		Conditional-Reply.answer = YES	
send Conditional-Reply to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	New request with same request no is recorded with: message keyword = REAPP plus first line = ORIG ACCEPTED	
send Status-Query to ISOGATE			
	<i>ISOGATE sends Status-Or-Error- Report to the client</i>		

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check Status-Or-Error-Report.status-report.provider_status_report.current-state		IN-PROCESS	
+ Status-Or-Error-Report.status-report.provider_status_report.current-state		<i>ART REQ. NO. = BL TEXT = Request No. + We do not hold the item as requested but hold an abstract/set of abstracts, do you want this?</i>	
+Status-Or-Error-Report.status-or-error-report-extensions.internal-reference-number.internal-reference.responder-reference		<i>Request No.</i>	

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5.2 CONDITIONAL REFUSED

This tests the use of:

ILL-Request

ILL-Answer type **CONDITIONAL**

Conditional-Reply answer **NO**

The BL informs the user that only the abstract of the requested article is held and the requester replies that they do not want this.

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: copy-non-returnable item-id.title = <i>test no</i> : CONDITIONAL REFUSED	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = PHOTO	
	wand reply	reply code = ABS	
	check responder state	type CONDITIONAL	
check requester state		type CONDITIONAL	
check ILL-Answer transaction-results		CONDITIONAL	
+ conditional-results.conditions		OTHER	
+ responder-note		<i>ART REQ. NO. = BL TEXT = We do not hold the item as requested but hold an abstract/set of abstracts, do you want this?</i>	
add Conditional-Reply.answer		NO	
send Conditional-Reply to ISOGATE			
check requester state		type NOT-SUPPLIED	
	check responder state	type NOT-SUPPLIED	

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5.3 CANCELLATION ACCEPTED

This tests the use of:

ILL-Request

ILL-Answer type HOLD PLACED

Cancel

Cancel-Reply type YES

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		iLL-service-type = SEQUENCE: loan item-id.title = <i>test no</i> : CANCELLATION ACCEPTED	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = LOAN	
	wand reply	reply code = USE*5	
	check responder state	type IN-PROCESS	
check requester state		type PENDING	
check ILL-Answer transaction-results		HOLD PLACED	
+ hold-placed-results.estimated- date-available		should be set 20 weeks ahead	
+ responder-note		<i>ART REQ. NO. = BL TEXT = Your request has been added to the Waiting List. You can cancel your request if you wish.</i>	
send Cancel to ISOGATE			
check requester state		type CANCEL-PENDING	
	check responder state	type CANCEL-PENDING	
	check ART request	New request with same request no is recorded with: message keyword = CANCEL plus first line = PLEASE REMOVE FROM WAITING LIST	
	wand reply	reply code = CANC	
	check responder state	type CANCELLED	
check requester state		type CANCELLED	
check Cancel-Reply.answer		YES	
+ Cancel-Reply.responder-note		<i>ART REQ. NO. = BL TEXT = Your request has now been cancelled as you requested.</i>	

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5.4 CANCELLATION REFUSED

This tests the use of:

ILL-Request

Cancel

Cancel-Reply type NO

The requester want to cancel a request but the BL says this particular request can not be cancelled.

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: loan copy-non-returnable item-id.title = <i>test no</i> : CANCELLATION REFUSED	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE =	
	wand reply	reply code = USE*5	
	check responder state	IN-PROCESS	
check requester state		PENDING	
	transaction-results	HOLD PLACED	
	hold-placed- results.estimated- date-available	should be set 20 weeks ahead	
	ILL- Answer.responder- note	<i>ART REQ. NO. = BL TEXT = Your request has been added to the Waiting List. You can cancel your request if you wish.</i>	
send Cancel to ISOGATE			
check requester state		type CANCEL-PENDING	
	check responder state	type CANCEL-PENDING	
	check ART request	New request with same request no is recorded with: message keyword = CANCEL	
	wand reply	reply code = NCANC	
	check responder state	type IN-PROCESS	
check requester state		type PENDING	
check Cancel-Reply.answer		NO	
+ Cancel-Reply.responder-note		<i>ART REQ. NO. = BL TEXT = We are unable to cancel your request because it is not on a Waiting List.</i>	

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5.5 RENEWAL ACCEPTED

This tests the use of:

ILL-Request

Shipped type LOAN

Received

Renew

Renew-Answer type YES

The requester is sent a loan. The requester then asked for a renewal and the BL says renew the item with a new BL request number and return date.

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		iLL-service-type = SEQUENCE: loan item-id.title = <i>test no:</i> RENEWAL ACCEPTED	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = LOAN	
	wand reply	reply code = SHIPPED LOAN	
	check responder state	type SHIPPED	
check requester state		type SHIPPED	
check Shipped.shipped-service-type		LOAN	
+ Shipped.responder-optional-messages-type.can-send-CHECKED-IN		should be set to false	
+ Shipped.supply-details.due-date		should be shipped date + 3 weeks rounded up to the next Friday	
+ Shipped.responder-note		<i>ART REQ. NO. = BL TEXT = The requested item has been supplied on loan.</i>	
send Received to ISOGATE			
check requester state		type RECEIVED	
	check responder state	type SHIPPED	
send Renew to ISOGATE			
check requester state		type RENEW/PENDING	
	check responder state	type RENEW/PENDING	
	check ART request	New request with new request no. ART REQ. NO. = BARCODE = message keyword = RENEW first line = PLEASE RENEW old request no	
	wand reply	reply code = RENEWED*14-JAN-2001	

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	check responder state	type SHIPPED	
check requester state		type RECEIVED	
Renew-Answer.answer		YES	
+Renew-Answer.date-due		should be current date + 3 weeks rounded up to the next Friday	
+ Renew-Answer.responder-note		<i>ART REQ. NO. = BL TEXT = Your loan has been renewed on the date indicated. Normal loan conditions apply. You need take no further action other than attaching the new loan slip (which we will send you by post) to the item before returning it.</i>	

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5.6 RENEWAL REFUSED

This tests the use of:

ILL-Request

Shipped type LOAN

Received

Renew

Renew-Answer type NO

The requester is sent a loan. The requester then asked for a renewal and the BL says this item cannot be renewed.

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		iLL-service-type = SEQUENCE: loan item-id.title = <i>test no: RENEWAL REFUSED</i>	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = LOAN	
	wand reply	reply code = SHIPPED LOAN	
	check responder state	type SHIPPED	
check requester state		type SHIPPED	
Shipped.shipped-service-type		LOAN	
+ Shipped.responder-optional-messages-type.can-send-CHECKED-IN		should be set to false	
+ Shipped.responder-note		<i>ART REQ. NO. = BL TEXT = The requested item has been supplied on loan.</i>	
send Received to ISOGATE			
check requester state		type RECEIVED	
	check responder state	type SHIPPED	
send Renew to ISOGATE			
check requester state		type RENEW/PENDING	
	check responder state	type RENEW/PENDING	
	check ART request	New request with new request no. ART REQ. NO. = BARCODE = message keyword = RENEW first line = PLEASE RENEW old request no	
	wand reply	reply code = NO RENEW	
	check responder state	type SHIPPED	
check requester state		type RECEIVED	
check Renew-Answer.answer		NO	

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+ Renew-Answer.responder-note		<i>ART REQ. NO. =</i> <i>BL TEXT = This loan cannot be renewed. Please return the item as soon as possible, not later than the end of the loan period.</i>	
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5.7 ILL-ANSWER RETRY

This tests the use of:

ILL-Request

ILL-Answer type RETRY

ILL-Request type RETRY

Shipped

Received

The BL informs the user that the item is being catalogued and won't be available for 10 weeks. The requester sends a retry request and the item is shipped and then received by the requester.

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		ILL-service-type = SEQUENCE: loan item-id.title = <i>test no: ILL-ANSWER RETRY</i>	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = LOAN	
	wand reply	reply code = CAT*10	
	check responder state	type NOT-SUPPLIED	
check requester state		type NOT-SUPPLIED	
check ILL-Answer.transaction-results		RETRY	
+retry-results.reason-not-available		IN-PROCESS	
+retry-results.retry-date		should be 10 weeks in the future	
ILL-Answer.responder-note		<i>ART REQ. NO. = BL TEXT = This item is being catalogued and is temporarily unavailable. Please retry at the retry date.</i>	
send a retry ILL-Request to ISOGATE		(uses a different ILL-transaction-qualifier)	
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	New request with same request no is recorded with: message keyword = REAPP	
	wand on reply	reply code = SHIPPED COPY	
	check responder state	type SHIPPED	
check requester state		type SHIPPED	
Shipped.shipped-service-type		COPY-NON-RETURNABLE	

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+ Shipped.responder-optional-messages-type.can-send-CHECKED-IN		should be set to false	
+ Shipped.responder-note		<i>ART REQ. NO. = BL TEXT = The requested item has been supplied as a photocopy or retention microform.</i>	
send Received to ISOGATE			
check requester state		type RECEIVED	
	check responder state	type SHIPPED	

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5.8 OVERDUE ITEM REPORTED LOST

This tests the use of:

ILL-Request

Shipped type LOAN

Received

Overdue

Lost

The BL supplies a loan. After a period of at least 3 weeks the BL sends an overdue to the requester and the requester informs the BL the item has been lost.

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		iLL-service-type = SEQUENCE: loan item-id.title = <i>test no:</i> OVERDUE ITEM REPORTED LOST	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = LOAN	
	wand reply	reply code = SHIPPED LOAN	
	check responder state	type SHIPPED	
check requester state		type SHIPPED	
check Shipped.shipped-service-type		LOAN	
+ Shipped.responder-optional-messages-type.can-send-CHECKED-IN		should be set to false	
+ Shipped.supply-details.due-date		should be shipped date + 3 weeks rounded up to the next Friday	
+ Shipped.responder-note		<i>ART REQ. NO. = BL TEXT = The requested item has been supplied on loan.</i>	
send Received to ISOGATE			
check requester state		type RECEIVED	
	check responder state	type SHIPPED	
	wand reply	reply code = DUE	
	check responder state	type OVERDUE	
check requester state		type OVERDUE	
check Overdue.date-due		should be shipped date + 3 weeks rounded up to the next Friday	
check Overdue.responder-note		<i>ART REQ. NO. = BL TEXT = This item is overdue. Please either</i>	

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		<i>return it immediately or apply for a renewal of the loan. Failure to do so will result in you being invoiced for a replacement copy, plus administrative costs which are not refundable.</i>	
send Lost to ISOGATE			
check requester state		type LOST	
	check responder state	type LOST	
	check ART request	New request with same request no is recorded with: message keyword = RECALL DUE plus first line = THIS ITEM HAS BEEN LOST	

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5.9 OVERDUE ITEM REPORTED DAMAGED

This tests the use of:

ILL-Request

Shipped type LOAN

Received

Overdue

Damaged

The BL supplies a loan. After a period of at least 3 weeks the BL sends an overdue to the requester and the requester informs the BL the item has been damaged.

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		iLL-service-type = SEQUENCE: loan item-id.title = test no: OVERDUE ITEM REPORTED DAMAGED	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = LOAN	
	wand reply	reply code = SHIPPED LOAN	
	check responder state	type SHIPPED	
check requester state		type SHIPPED	
check Shipped.shipped-service-type		LOAN	
+ Shipped.responder-optional-messages-type.can-send-CHECKED-IN		should be set to false	
+ Shipped.supply-details.due-date		should be shipped date + 3 weeks rounded up to the next Friday	
+ Shipped.responder-note		ART REQ. NO. = BL TEXT = The requested item has been supplied on loan.	
send Received to ISOGATE			
check requester state		type RECEIVED	
	check responder state	type SHIPPED	
	wand reply	reply code = DUE	
	check responder state	type OVERDUE	
check requester state		type OVERDUE	
check Overdue.date-due		should be shipped date + 3 weeks rounded up to the next Friday	
+ Overdue.responder-note		ART REQ. NO. = BL TEXT = This item is overdue. Please either return it immediately or apply for a renewal of the loan. Failure to do so will result in you being	

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		<i>invoiced for a replacement copy, plus administrative costs which are not refundable.</i>	
send Damaged to ISOGATE			
check requester state		type OVERDUE	
	check responder state	type OVERDUE	
	check ART request	New request with same request no is recorded with: message keyword = RECALL DUE plus first line = THIS ITEM HAS BEEN DAMAGED	

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5.10 OVERDUE ITEM ALSO RECALLED TWICE BEFORE BEING RETURNED

This tests the use of:

ILL-Request

Shipped type LOAN

Received

Overdue

Recall

Recall

Returned

The BL supplies a loan. After a period of at least 3 weeks the BL sends an overdue to the requester. The requester does not return the loan so a recall is sent. . The requester still does not return the loan so a second recall is sent warning the user they will be billed for a replacement if it is still not returned.

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		iLL-service-type = SEQUENCE: loan item-id.title = <i>test no: OVERDUE ITEM RECALLED TWICE BEFORE RETURNED</i>	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = LOAN	
	wand reply	reply code = SHIPPED LOAN	
	check responder state	type SHIPPED	
check requester state		type SHIPPED	
check Shipped.shipped-service-type		LOAN	
+ Shipped.responder-optional-messages-type.can-send-CHECKED-IN		should be set to false	
+ Shipped.supply-details.due-date		should be shipped date + 3 weeks rounded up to the next Friday	
+ Shipped.responder-note		<i>ART REQ. NO. = BL TEXT = The requested item has been supplied on loan.</i>	
send Received to ISOGATE			
check requester state		type RECEIVED	
	check responder state	type SHIPPED	
	wand reply	reply code = DUE	
	check responder state	type OVERDUE	
check requester state		type OVERDUE	

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check Overdue.date-due		should be shipped date + 3 weeks rounded up to the next Friday	
+ Overdue.responder-note		<i>ART REQ. NO. = BL TEXT = This item is overdue. Please either return it immediately or apply for a renewal of the loan. Failure to do so will result in you being invoiced for a replacement copy, plus administrative costs which are not refundable.</i>	
	wand reply	reply code = DUE WAIT	
	set the due-date back 4 weeks - to artificially progress the test		
	check responder state	type RECALL	
check requester state		type RECALL	
check Recall.responder-note		<i>ART REQ. NO. = BL TEXT = This item is now needed by another customer. Please return it as soon as possible - no later than one month after the date of receipt.</i>	
	wand reply	reply code = DUE BILL	
	check responder state	type RECALL	
check requester state		type RECALL	
Recall.responder-note		<i>ART REQ. NO. = BL TEXT = This item has not been returned despite an earlier recall. We are arranging to replace it and WILL SEND YOU AN INVOICE to cover the costs involved, including an administrative charge which is not refundable. IT IS ESSENTIAL YOU RETURN THE ITEM OR CONTACT US.</i>	
send Returned to ISOGATE			
check requester state		type RETURNED	
	check responder state	type RECALL	

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5.11 ITEM SUPPLIED THEN RESUPPLIED

This tests the use of:

ILL-Request

Shipped type COPY

Message

Message

Received

BL sends out a copy to the requester. The requester informs BL that the item was not received and the BL responds that the item is being resupplied.

REQUESTER	BRITISH LIBRARY	DATA VALUE	OK?
add ILL-Request APDU settings		iLL-service-type = SEQUENCE: copy-non-returnable item-id.title = <i>test no:</i> ITEM SUPPLIED THEN RESUPPLIED	
send ILL-Request to ISOGATE			
check requester state		type PENDING	
	check responder state	type IN-PROCESS	
	check ART request	ART REQ. NO. = BARCODE = message keyword = PHOTO	
	wand reply	reply code = SHIPPED COPY	
	check responder state	type SHIPPED	
check requester state		type SHIPPED	
check Shipped.shipped-service-type		COPY-NON-RETURNABLE	
+ Shipped.responder-optional-messages-type.can-send-CHECKED-IN		should be set to false	
+ Shipped.responder-note		ART REQ. NO. = BL TEXT = <i>The requested item has been supplied as a photocopy or retention microform.</i>	
send Message to ISOGATE		"This item has not been received"	
check requester state		type SHIPPED	
	check responder state	type SHIPPED	
	check ART Message	MESSAGE = <i>This request has not been received.</i>	
	wand reply	reply code = RESUPPL*16-MAR-2010	
	check responder state	type SHIPPED	
check requester state		type SHIPPED	
check Message.note		MESSAGE = <i>This item has been resupplied on the following date: RESUPPL*16-MAR-2010</i>	
send Received to ISOGATE			
check requester state		type RECEIVED	
	check responder state	type SHIPPED	