

# Book Industry Communication



## Library Interoperability Standards Library Data Communication Framework for Terminal Applications (LCF) Code Lists

Issue 1, 10 January 2014  
Corrected 22 August 2014

This document defines code lists for use with LCF version 1.0.

The use of this document is subject to license terms and conditions that can be found at <http://www.bic.org.uk/bicstandardslicence.pdf>.

### DOCUMENT REVISION HISTORY

This document is subject to revision from time to time. The latest versions of this document, the LCF data framework specification and other resources supporting specific implementations of the LCF standard may be found at <http://www.bic.org/lcf>.

10 January 2014	Issue 1 published
22 August 2014	Issue 1 re-published with corrections: List ENT Entity type: – Corrections to alpha values and definitions of codes ENT09, ENT10 and ENT11. – Insertion of code ENT12.

### NOTES

- Code lists may be revised independently and more frequently than the overall data framework.
- A number of code lists that are either empty or contain legacy code values are expected to be revised as a matter of priority.
- Code IDs are not intended to be exchanged in messages. They identify code semantics to which the actual code values in implementation should correspond. Some implementations may adopt the short, numeric code values specified in this document while other implementations may adopt more verbose alpha-numeric code values.

### ALF Allow fees flag

Code ID	Code value	Definition	Notes
ALF01	Y	Allow fees on items for which loan or renewal fees are applicable	
ALF02	N	Do not allow fees	The item may not be checked out if fees apply.

**CHS Charge status**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
CHS01	01	Not yet paid	
CHS02	02	Part paid	
CHS03	03	Fully paid	Used when recording past charges

**CHT Charge type (based upon SIP 2 fee type code list)**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
CHT01	01	Other / unknown	SIP 2 code '01'
CHT02	02	Administrative	SIP 2 code '02'
CHT03	03	Damage	SIP 2 code '03'
CHT04	04	Overdue	SIP 2 code '04'
CHT05	05	Processing	SIP 2 code '05'
CHT06	06	Rental	SIP 2 code '06'
CHT07	07	Replacement	SIP 2 code '07'
CHT08	08	Computer access charge	SIP 2 code '08'
CHT09	09	Reservation fee	SIP 2 code '09'
CHT10	00	Aggregate	Default value in fee total elements
CHT11	10	Membership fee / subscription	
CHT12	11	Notice fee	
CHT13	12	Referral to debt collection fee	

**CIS Circulation status (based upon SIP2 circulation status code list)**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
CIS01	01	Other / unknown	SIP 2 code '01'
CIS02	02	On order	SIP 2 code '02'
CIS03	03	Available	SIP 2 code '03'

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
CIS04	04	On loan (charged)	SIP 2 code '04'
CIS05	05	On loan (charged) – not to be recalled until earliest recall date	SIP 2 code '05'
CIS06	06	In process	SIP 2 code '06'
CIS07	07	Recalled	SIP 2 code '07'
CIS08	08	Waiting on hold shelf	SIP 2 code '08'
CIS09	09	Waiting to be re-shelved	SIP 2 code '09'
CIS10	10	In transit between library locations	SIP 2 code '10'
CIS11	11	Claimed returned	SIP 2 code '11'
CIS12	12	Lost	SIP 2 code '12'
CIS13	13	Missing	SIP 2 code '13'
CIS14	14	All copies withdrawn from circulation – see manifestation	
CIS15	15	Withdrawn from circulation for repair	
CIS16	16	Withdrawn from circulation – reason unspecified	

### **CMT Communication type**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
CMT01	01	Phone number – unspecified type	
CMT02	02	Home phone number	
CMT03	03	Business phone number	
CMT04	04	Mobile phone number	
CMT05	05	Email address	

### **CRT Check-out restriction type**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
CRT01	01	Lower age limit	Value is the lower age limit in years. Default value is 'unspecified'.

**DTM Date or Date-time format**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
DTM01	01	YYYYMMDDTHHMMSS	The 'T' is a fixed character separating the date and time components, as defined by ISO 8601.
DTM02	02	YYYY-MM-DDTHH:MM:SS	
DTM03	11	YYYYMMDD	
DTM04	12	YYYY-MM-DD	

**ECR Encryption algorithm**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
ECR01			Code list to be defined

**ENT Entity type**

<i>Code ID</i>	<i>Code value</i>	<i>Alpha value</i>	<i>Definition</i>	<i>Notes</i>
ENT01	01	manifestation	Manifestation	LCF Entity E01
ENT02	02	item	Copy of a manifestation	LCF Entity E02
ENT03	03	patron	Patron	LCF Entity E03
ENT04	04	location	Physical location	LCF Entity E04
ENT05	05	loan	Loan	LCF Entity E05
ENT06	06	reservation	Reservation	LCF Entity E06
ENT07	07	charge	Charge	LCF Entity E07
ENT08	08	payment	Payment	LCF Entity E08
ENT09	09	contact	Contact	LCF Entity E09
ENT10	10	class-scheme	Title classification scheme	LCF Entity E10
ENT11	11	class-code	Title classification code	LCF Entity E11
ENT12	12	property	Selection criterion	LCF Entity E12

## EXC Exception condition response

NOTE - In a web service implementation some of these responses may be carried by an HTTP response code rather than in the response payload. If several exception conditions apply, the HTTP response code 207 (multi-status) may be appropriate.

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
EXC01	01	Service unavailable	Equivalent to HTTP response code 503
EXC02	02	invalid user ID or password (as supplied in Q00C01)	
EXC03	03	invalid terminal ID or password (as supplied in Q00C04)	Equivalent to HTTP response code 401
EXC04	04	Service unable to process request	Equivalent to HTTP response code 500
EXC05	05	Invalid entity reference	For use in all entity-specific responses
EXC06	06	Invalid data in element	For use whenever a request specifies data that does not conform to the data type for the data element in question, e.g. an undefined code value, a badly-formed date, or an invalid patron password.
EXC07	07	Request denied	
EXC08	08	No records match the selection criteria in the request	Equivalent to HTTP response code 404. May be used in response to function 02 requests.
EXC09	09	Too many records match the selection criteria in the request	Further information may be provided in an exception description and/or response message. May be used in response to function 02 requests.

## IMD Item detailed information type

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
IMD01	01	All item detailed information	A short-hand for requesting all detailed information that is available for the item.
IMD02	02	Item media type / format	Element D01R03
IMD03	03	Title on item	Element C01R04, title type TTL02
IMD04	04	Other item titles	Element C01R04, all other title types, plus element C1106, if any, all title types
IMD05	05	Contributor details	Element C01R05

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
IMD06	06	Other item descriptive information	Elements D01R07 – D01R13
IMD07	07	Item owner information	Element D01R14
IMD08	08	Item location information	Elements D01R15 and D01R16
IMD09	09	Item loan characteristics	Element C01R17
IMD10	10	Item check-out restrictions and fees	Elements C01R18 and C01R19
IMD11	11	Item circulation information	Elements D01R21 – C01R23. NOTE – element D01R20 is mandatory in all responses.

**IMI Item identification scheme**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
IMI01	01	Proprietary	

**IMT Item media type / format (based upon SIP 2 media type code list)**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
IMT01	000	Other / unknown	SIP 2 code '000'
IMT02	001	Book	SIP 2 code '001'
IMT03	002	Magazine	SIP 2 code '002'
IMT04	003	Bound journal	SIP 2 code '003'
IMT05	004	Audio tape	SIP 2 code '004'
IMT06	005	Video tape (VHS or Betamax)	SIP 2 code '005'
IMT07	006	Data or software CD / CD-ROM	SIP 2 code '006'
IMT08	007	Magnetic diskette	SIP 2 code '007'
IMT09	008	Book with magnetic diskette	SIP 2 code '008'
IMT10	009	Book with CD / CD-ROM	SIP 2 code '009'
IMT11	010	Book with audio tape	SIP 2 code '010'
IMT12	011	DVD / Blu-ray	

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
IMT13	012	Audio / music CD	
IMT14	013	E-book	
IMT15	014	Sheet music	
IMT16	015	Bound music score	
IMT17	016	Microfilm / microform	
IMT18	017	Map	
IMT19	018	Toy	
IMT20	019	Artefact	Needs further definition, especially to distinguish it from IMT01.

NOTE – This code list is to be revised in consultation with libraries. The existing codes are retained for reasons of backwards-compatibility.

### **INS Institution identification scheme**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
INS01	01	Proprietary scheme	Other codes to be defined

### **LAT Location association type**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
LAT01	01	Permanent location of item	SIP2 field 'AQ'
LAT02	02	Current location of item	SIP2 field 'AP'
LAT03	03	Patron's "home" institution / branch / site / department	

### **LCS Library classification scheme**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
LCS01	01	Proprietary	
LCS02	02	Dewey Decimal Classification (DDC)	

**LOI Location identification scheme**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
LOI01	01	Proprietary	
LOI02	02	GLN	
LOI03	03	SAN	

**LOT Location type**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
LOT01	01	Library / institution	
LOT02	02	Site within library / institution	e.g. branch or building
LOT03	03	Location with site	e.g. department, room, shelf

**LOS Loan status**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
LOS01	01	On loan to patron	
LOS02	02	Overdue from patron	
LOS03	03	Recalled	
LOS04	04	Charge owed	
LOS05	05	In transit between library locations	
LOS06	06	Claimed returned by patron	
LOS07	07	Lost	
LOS08	08	Checked in – no longer on loan	Used when recording past loans
LOS09	09	Superseded by renewal loan	Used when recording past loans Element E05D09 may contain renewal loan reference
LOS10	10	Cancelled	Used when recording past loans
LOS11	11	Renewal loan	



**MES Media type / format scheme**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
MES01	01	Proprietary	
MES02	02	SIP 2 media type	
MES03	03	ONIX code list 150	
MES04	04	ONIX code list 175	

**MEW Media warning flag**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
MEW01	00	Unspecified / not applicable	
MEW02	01	Item contains magnetic media	
MEW03	02	Item does not contain magnetic media	

**MGT Message display type**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
MGT01	01	Whole message (e.g. for screen display)	
MGT02	02	Single line of message (e.g. for printing)	

**MND Manifestation detailed information type**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
MND01	01	All manifestation detailed information	A short-hand for requesting all detailed information that is available for the manifestation.
MND02	02	Media type / format	Element E01C03
MND03	03	Title of the manifestation	Element E01C04, title type TTL02
MND04	04	Other item titles	Element E01C04, all other title types, plus element E0106, if any, all title types
MND05	05	Contributor details	Element E01C05

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
MND06	06	Other manifestation descriptive information	Elements E01D07 – E01D12
MND07	07	Manifestation loan characteristics	Element E01C13
MND08	08	Item check-out restrictions and fees	Elements E01C14 and E01C15

### **MNI Manifestation identification scheme (based upon ONIX Code List 5)**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
MNI01	01	Proprietary	ONIX code '01'
MNI02	02	ISBN-10	ONIX code '02' – 10-digit ISBN
MNI03	03	GTIN-13	ONIX code '03' – normally used for 13-digit ISBN
MNI04	05	ISMN	ONIX code '05'
MNI05	14	GTIN-14	ONIX code '14'
MNI06	17	Legal deposit number	ONIX code '17'

### **MNS Manifestation status**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
MNS01	01	Not yet in stock / holding	Awaiting receipt from supplier or owner
MNS02	02	In stock / holding and available for loan	
MNS03	03	In stock / holding and not available for loan	e.g. Reading Room only
MNS04	04	Withdrawn from stock / holding	

### **MOT Entity modification type**

<i>Code ID</i>	<i>Code value</i>	<i>Alpha value</i>	<i>Definition</i>	<i>Notes</i>
MOT01	01	replace	Delete all elements of the entity and replace with those included in the request	This is the only way to remove elements entirely from the entity record.

<i>Code ID</i>	<i>Code value</i>	<i>Alpha value</i>	<i>Definition</i>	<i>Notes</i>
MOT02	02	update	Delete all elements of the types that are included in the request and replace with those included in the request.	For repeatable elements all instances of the element are first removed from the entity record.

**NOT Note type**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
NOT01	01	Entity description	This code value is primarily a placeholder for development of the code list in future issues.

**PCS Patron's library card status**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
PCS01	01	Card retained by patron	
PCS02	02	Card retained by library staff	
PCS03	03	Card location unknown	Card lost or stolen

**PNS Patron status condition type (based upon ANSI/NISO Z39.70)**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
PNS01	01	Loan (charge) privileges denied	
PNS02	02	Renewal privileges denied	
PNS03	03	Recall privileges denied	
PNS04	04	Hold privileges denied	
PNS05	05	Card reported lost	
PNS06	06	Too many items loaned	
PNS07	07	Too many items overdue	
PNS08	08	Too many renewals	
PNS09	09	Too many claims of items returned	
PNS10	10	Too many items lost	
PNS11	11	Excessive outstanding fines	
PNS12	12	Excessive outstanding fees other than fines	
PNS13	13	Recall overdue	

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
PNS14	14	Too many items billed	
PNS15	15	Blocked from PC use only	Allowed to borrow items

**PNT Patron detailed information type**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
PNT01	00	No details – i.e. status only	
PNT02	01	All details	
PNT03	02	All personal, no account details	See E03 Patron in LCF v1.0
PNT04	03	All account, no personal details	See E03 Patron in LCF v1.0
PNT05	10	Items on loan	
PNT06	11	Reserved items	
PNT07	12	Overdue items	
PNT08	13	Recalled items	
PNT09	14	Unavailable hold items	
PNT10	15	Fees, other than fines, owed	
PNT11	16	Fines owed	

**PYS Payment status**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
PYS01	01	Payment accepted / acknowledged	
PYS02	02	Payment not accepted	Further information, if any, should be included in a payment note.

**PYT Payment type (extension of SIP 2 payment type code list)**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
PYT01	00	Cash	SIP 2 code '00'
PYT02	01	VISA	SIP 2 code '01' – Probably DEPRECATED, since the card could be a debit or credit card.

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
PYT03	02	Credit card – unspecified type	SIP 2 code '02'
PYT04	03	Debit card – unspecified type	
PYT05	04	E-payment – unspecified type	Probably using some form of online banking or a system where the patron has an account with a local charging scheme.
PYT06	05	Cheque	
PYT07	06	Credit account	
PYT08	07	Smart card	
PYT09	08	Forgiven	Payment by the library of a correct charge
PYT10	09	Waived	Payment by the library of an incorrect charge

### **RDN Reason for inability to approve request**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
RDN01	01	Manifestation status exception	The LMS is unable to approve the request due to the manifestation's current status (E01D17). Used in response to a request relating to a specific manifestation.
RDN02	02	Item status exception	The LMS is unable to approve the request due to the item's current circulation status (E02D12). Used in response to a request relating to a specific item.
RDN03	03	Patron status exception	The LMS is unable to approve the request due to the patron's current status (E03C08). Used in response to a request relating to a specific patron.
RDN04	04	No fee acknowledgement in request	The LMS is unable to approve the request without acknowledgement that a fee is applicable.
RDN05	05	Charge status exception – no payment due	
RDN06	06	Charge status exception – under-payment	

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
RDN07	07	Charge status exception – over-payment	
RDN08	08	Unable to accept payment – see message	Further information, if any, should be conveyed in response message.
RDN09	09	Unable to accept some/all payment items in request – see detail	

### **RNQ Renewal request type**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
RNQ01	01	Patron renewal request, for all items currently on loan to patron	
RNQ02	02	Third party renewal request, for all items currently on loan to patron	
RNQ03	03	Patron renewal request, for specified items	
RNQ04	04	Third party renewal request, for specified items	
RNQ05	51	Loan / renewal fee quotation request only	Not a loan request or confirmation, but simply a request for a loan or renewal fee quotation
RNQ06	99	Cancel previous request	Cancels the previous new loan or renewal request for the same item. If there was no previous request or too long a pause since the previous request, the response should contain exception condition code EXC03.

### **RQT Request type**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
RQT01	01	New request	
RQT02	02	Confirmation request	LMS may not block request, as the action has already been performed.
RQT03	03	Cancel previous request	Cancels a previous request. If there was no previous request or too long a pause since the previous request, the response should contain exception condition code EXC03. Approximately equivalent to use of SIP 2 field BI to indicate cancelation.

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
RQT04	04	Loan / renewal or reservation fee quotation request only	Not a loan / renewal or reservation request or confirmation, but simply a request for a loan / renewal or reservation fee quotation

**RST Response type**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
RST01	01	Request successful	
RST02	02	Request unsuccessful – for details see exception condition	

**RVQ Reservation request type**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
RVQ01	01	Reservation request	
RVQ02	02	Modify previous reservation request	
RVQ03	03	Reservation fee quotation request only	Not a reservation request, but simply a request for a reservation fee quotation
RVQ04	04	Cancel previous reservation request	Cancels the previous request to reserve the same item. If there was no previous request or too long a pause since the previous request, the response should contain exception condition code EXC03.

**RVS Reservation status**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
RVS01	01	Item available - in hold queue	
RVS02	02	Unavailable hold item	
RVS03	03	Reservation cancelled by patron	Used when recording past reservations
RVS04	04	Reservation cancelled by library staff	Used when recording past reservations
RVS05	05	Ended by check-out to patron	Used when recording past reservations
RVS06	06	Expired	Reservation terminated on reaching expiry date without either check-out of the item or cancellation of the reservation. Used when recording past reservations.



**RVT Reservation type (based upon SIP 2 hold type code list)**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
RVT01	1	Other	SIP code '1'
RVT02	2	Any copy of the item	SIP code '2'
RVT03	3	A specific copy of the item	SIP code '3' – The item identifier must specify the specific copy to be reserved
RVT04	4	Any copy of the item at a specified branch library or sub-location	SIP code '4' – The institution identifier and/or location must specify the branch library and/or sub-location
RVT05	5	Any copy of the item in a specified group of libraries	

**SCD Security desensitization flag**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
SCD01	00	Unspecified / not applicable	
SCD02	01	Item security should normally be desensitized / removed on check-out	
SCD03	02	Item security should not normally be desensitized / removed on check-out	

**SPA Special attention required flag**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
SPA01	01	Item does not require special attention	
SPA02	02	Item requires special attention (unspecified)	

**TTL Title type (based upon ONIX Code List 15)**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
TTL01	00	Undefined	ONIX code '00'
TTL02	01	Title on item	ONIX code '01'
TTL03	03	Title in original language	ONIX code '03'
TTL04	05	Abbreviated title	ONIX code '05'
TTL05	11	Alternative title on cover	ONIX code '11'
TTL06	13	Expanded title	ONIX code '13'

**UNC Unnamed contributor type (based upon ONIX Code List 11)**

<i>Code ID</i>	<i>Code value</i>	<i>Definition</i>	<i>Notes</i>
UNC01	01	Unknown	ONIX code '01'
UNC02	02	Anonymous	ONIX code '02'
UNC03	03	et al.	ONIX code '03'