

Informing the Future of MARC: An Empirical Approach
Based on Results from the MARC Content Designation Utilization Project
Funded by the Institute of Museum and Library Services

Project Website: <<http://www.mcdu.unt.edu>>

Table 1. Evolution of MARC: 1972 – Early 21st Century

MARC 21 Field Groups	Currently Defined	MARC 1972
00x	6	3
0xx	311	28
1xx	76	40
2xx	176	15
3xx	155	4
4xx	45	37
5xx	344	8
6xx	235	66
7xx	477	41
8xx	249	36
9xx	16	
TOTAL	2074	278

* MARC 21 or OCLC MARC Bibliographic

Figure 1: MARC Record & Sample Decomposition

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00700cem##2200253####45-0001001300000003000600013005001700019006001900036007000900055
008004100064010001700105040002500122043001200147050002500159082001300184110003300197
245002800230260002000258300004100278440005300319500001700372651003800389994001900427
^ocm00008028#^OCoLc^20041106021327.0^ab#####000#0#^aj#canzn^690501s1966####txu##
#####a#####0###eng##^##$a...74208040.^##$aDLC$cDLC$dOCL$dOCLCQ^##$an-us-tx^0#$aHC107
.T4$bA325.no.3^00$a330.9764^2#$aXxxxx.Xxxxxxxx.Xxxxxxxx.^10$aXxxxxxx-xxx-xx.Xxxxx.^##$
aAustin$c[1966?]^##$a[1].l.,b13.fold.col.maps.c27.cm.^#0$aIndustrial-economic-opportunities-series,
$vno.3^##$aCover.title.^#0$aXxxxxxEconomic-conditions$vMaps.^##$a11$bOCL$i00000^
```

ControlNumber	Field Counter	Field Tag	Ind 1	Ind 2	SubField Counter	SubField Code	SubfieldData
ocm00008028	1	010	#	#	1	a	74208040
ocm00008028	2	040	#	#	1	a	DLC
ocm00008028	2	040	#	#	2	c	DLC
ocm00008028	2	040	#	#	3	d	OCL
ocm00008028	2	040	#	#	4	d	OCLCQ
ocm00008028	3	043	#	#	1	a	n-us-tx
ocm00008028	4	050	0	#	1	a	HC107.T4
ocm00008028	4	050	0	#	2	b	A325 .no. 3
ocm00008028	5	082	0	0	1	a	330.9764
ocm00008028	6	110	2	#	1	a	Xxxxx .Xxxxxxxx .Xxxxxxxx.
ocm00008028	7	245	1	0	1	a	Xxxxxxx .xxx .xx .Xxxxx.
ocm00008028	8	260	#	#	1	a	Austin
ocm00008028	8	260	#	#	2	c	[1966?]
ocm00008028	9	300	#	#	1	a	[1] .l.,
ocm00008028	9	300	#	#	2	b	13 .fold. .col. .maps.
ocm00008028	9	300	#	#	3	c	27 .cm.
ocm00008028	10	440	#	0	1	a	Industrial .economic .opportunities .series,
ocm00008028	10	440	#	0	2	v	no. 3
ocm00008028	11	500	#	#	1	a	Cover .title.
ocm00008028	12	651	#	0	1	a	Xxxxx
ocm00008028	12	651	#	0	2	x	Economic .conditions
ocm00008028	12	651	#	0	3	v	Maps.
ocm00008028	13	994	#	#	1	a	11
ocm00008028	13	994	#	#	2	b	OCL
ocm00008028	13	994	#	#	3	i	0000

Table 2. Separating MCDU Dataset Records According to Type of Record

Project Sample Categories	Type of Record Code (Leader/06)	Semantics for Kind of Bibliographic Record (MARC 21)	AACR Categories of Materials
Books, Pamphlets, and Printed Sheets	a	Language material	Books, Pamphlets, and Printed Sheets
Continuing Resources	a and where Leader 07 value is b or s, and where 008/23 is not value "s"	Language material	Continuing Resources
	<i>b</i>	<i>Archival and manuscripts control [OBSOLETE]</i>	
Music (notated and manuscript)	c	Notated music	Music
	d	Manuscript notated music	Music
Cartographic Materials	e	Cartographic material	Cartographic Materials
	f	Manuscript cartographic material	Manuscripts (including Manuscript Collections)
Projected Media	g	Projected medium	Motion Pictures and Videorecordings Graphic Materials (per AACR2 rule 8.0A1, graphic materials intended to be projected or viewed—e.g. filmstrips, slides—are included in the Graphic Materials category.)
	<i>h</i>	<i>Microform publications [OBSOLETE]</i>	
Sound recordings (musical and non-musical)	i	Nonmusical sound recording	Sound Recordings
	j	Musical sound recording	Sound Recordings
Graphic Materials	k	Two-dimensional nonprojectable graphic	Graphic Materials
	o	Kit	Graphic Materials
	p	Mixed material	Graphic Materials
Electronic resources	m	Computer file	Electronic Resources
	all a, c, d, i, j, p, t where value of 008/23 is s; all e, f, g, k, o, r where value of 008/29 is s	Electronic resources other than computer software, numeric data, computer-oriented multimedia, or online systems or services are coded in Leader/06 for their most significant aspect (language material, cartographic material, music, etc.)	Electronic Resources
	<i>n</i>	<i>Special instructional material [OBSOLETE]</i>	
Three-Dimensional Artifacts and Realia	r	Three-dimensional artifact or naturally occurring object	Three Dimensional Artefacts and Realia
Manuscripts	t	Manuscript language material	Manuscripts

Table 3. Distribution of Records by Source of Cataloging and Format of Materials

	Number	%	Number	%	Total
MCDU Project Dataset	56,177,383	100			
	LC-Created Records		Non-LC-Created Records		
MCDU Project Dataset by LC/nonLC	8,713,665	15.5	47,463,718	84.5	56,177,383
Books Records	7,595,887	13.5	34,546,200	61.5	42,142,087
Cartographic Materials	242,132	0.4	596,642	1.1	838,774
Electronic Resources	39,879	0.1	871,881	1.6	911,760
Continuing Resources	388,332	0.7	2,193,009	3.9	2,581,341
Manuscripts	11,471	0.02	4,390,970	7.8	4,402,441
Music	109,249	0.2	1,167,654	2.1	1,276,903
Sound Recordings	241,940	0.4	1,702,342	3.0	1,944,282
Projected Media	22,088	0.04	1,415,606	2.5	1,437,694
Graphic Materials	62,625	0.1	506,401	0.9	569,026
Three-Dimensional Objects and Realia	62	0.0001	73,013	0.1	73,075

Table 4. Distribution of Records by Encoding Level

Leader/17 Value and Meaning		LC Created Records		Non-LC Created Records	
Encoding Level Code	Encoding Level Code Semantics	Number of Records	% of Total Records in Set	Number of Records	% of Total Records in Set
#	Full level	4,934,795	56.63%	2,727,177	5.75%
1	Full level, material not examined	575,441	6.60%	433,094	0.91%
2	Less-than-full level, material not examined	1,456	0.02%	378	< 0.01%
3	Abbreviated level	13,622	0.16%	509,499	1.07%
4	Core-level	479,602	5.50%	203,938	0.43%
5	Partial, or preliminary, level	41,023	0.47%	253,844	0.53%
7	Minimal-level	709,350	8.14%	632,880	1.33%
8	Prepublication level	56,612	0.65%	349,933	0.74%
E **	System-identified MARC error in batchloaded record	4	< 0.01%	16	< 0.01%
I **	Full-level input by OCLC participants	1,638,019	18.80%	23,158,618	48.79%
J **	Deleted record	52,271	0.60%	10,104	0.02%
K **	Less-than-full input by OCLC participants	62,459	0.72%	9,735,151	20.51%
L **	Full-level input added from a batch process	49,173	0.56%	927,996	1.96%
M **	Less-than-full added from a batch process	99,838	1.15%	8,521,090	17.95%
u *	Unknown	0	0%	0	0%
z *	Not applicable	0	0%	0	0%
TOTAL		8,713,665	100.00%	47,463,718	100.00%

Table 5. Distribution of Records by Descriptive Cataloging Form

Leader/18 Value and Meaning		LC-Created Records		Non-LC Created Records	
Descriptive Cataloging Form Code	Descriptive Cataloging Form Code Semantics	Number of Records	% of Total Records in Subset	Number of Records	% of Total Records in Subset
#	(Non-ISBD)	2,360,067	27.08%	9,128,104	19.23%
a	(AACR2)	5,304,099	60.87%	30,628,870	64.53%
i	(ISBD)	1,049,473	12.04%	7,635,739	16.09%
u	(Unknown)	26	< 0.01%	71,004	0.15%
?	(Not a valid code)			1	< 0.01%
TOTAL		8,713,665	100.00%	47,463,718	100.00%

Table 6. Number and Percentage of LC-Created Records Where a Field is Used at Least Once

- Type of Record: **Book, Pamphlets, and Printed Sheets**
- Total Number of Records in Dataset: **7,595,887**
- Number of Unique Field Tags Occurring in Dataset: **167**
- Number of Fields Tags Occurring in Every Record: **7** (15 fields occur in more than 50% of the records)

Field Tag	Number of Records Where Field is Used at Least Once	Percentage of Records Where Field is Used at Least Once
001	7,595,887	100.000%
003	7,595,887	100.000%
005	7,595,887	100.000%
008	7,595,887	100.000%
040	7,595,887	100.000%
245	7,595,887	100.000%
994	7,595,887	100.000%
010	7,595,726	99.998%
300	7,586,264	99.873%
260	7,585,926	99.869%
050	7,027,027	92.511%
100	5,626,011	74.067%
650	5,387,282	70.924%
082	4,034,888	53.119%
020	3,845,934	50.632%

Table 7. Number and Percentage of non-LC-Created Records Where a Field is Used at Least Once

- Type of Record: **Book, Pamphlets, and Printed Sheets**
- Total Number of Records in Dataset: **34,546,200**
- Number of Unique Field Tags Occurring in Dataset: **193**
- Number of Fields Tags Occurring in Every Record: **7** (12 fields occur in more than 50% of the records)

Field Tag	Number of Records Where Field is Used at Least Once	Percentage of Records Where Field is Used at Least Once
001	34,546,200	100.000000%
003	34,546,200	100.000000%
005	34,546,200	100.000000%
008	34,546,200	100.000000%
040	34,546,200	100.000000%
245	34,546,200	100.000000%
994	34,546,200	100.000000%
300	34,029,160	98.503338%
260	34,025,198	98.491869%
100	22,586,908	65.381744%
650	20,064,431	58.079994%
500	17,787,715	51.489643%

Table 8. Example Results from Field Analysis of Non-LC-created Records: Showing Calculated Threshold and 80% and 90% points

- Type of Record: **Book, Pamphlets, and Printed Sheets**
- Total Number of Records in Dataset: **34,546,200**
- Number of Unique Field Tags Occurring: **193**
- Number of fields accounting for 80% of occurrences: **17 fields (9%)**
- Number of fields accounting for 90% of occurrences: **28 fields (15%)**
- Number of fields at or above the threshold: **31 fields**

OCLC Member Records (books)		
Field Tag	Number of Total Occurrences of Each Field	Cumulative Total Percentage of Field Occurrences
650	39,045,541	9.841%
245	34,546,201	18.547%
008	34,546,200	27.254%
300	34,033,989	35.832%
260	34,025,226	44.407%
500	28,550,210	51.603%
100	22,586,944	57.295%
700	12,941,254	60.557%
043	11,576,993	63.475%
880	11,359,428	66.338%
090	11,236,980	69.170%
710	9,171,859	71.481%
020	8,912,317	73.727%
504	7,747,273	75.680%
651	6,761,295	77.384%
490	5,176,220	78.689%
440	4,939,705	79.934%

OCLC Member Records (books)		
Field Tag	Number of Total Occurrences of Each Field	Cumulative Total Percentage of Field Occurrences
250	4,841,823	81.154%
007	4,075,858	82.181%
082	3,986,831	83.186%
600	3,938,217	84.179%
110	3,932,336	85.170%
050	3,799,819	86.127%
092	3,430,027	86.992%
740	3,364,132	87.840%
533	3,219,377	88.651%
246	3,172,311	89.450%
830	3,118,152	90.236%
610	2,842,108	90.953%
041	2,564,664	91.599%
653	2,407,925	92.206%

Last row indicates the point of the calculated threshold.

Table 9. Example Results from Field/Subfield Analysis of Non-LC-created Records: Showing Calculated Threshold, and 80% and 90% points

- Type of Record: **Book, Pamphlets, and Printed Sheets**
- Total number of records in dataset: **34,546,200**
- Number of unique field/subfields used: **1,347**
- Number of fields/subfields accounting for 80% of occurrences: **35 (3%)**
- Number of fields/subfields accounting for 90% of occurrences: **78 (6%)**
- Number of fields/subfields at or above the calculated threshold: **127**

OCLC Member Records (books)			
Field Tag	Sub-field Code	Number of Total Occurrences of Each F/S	Cumulative Total Percentage of F/S Occurrences
650	a	39,045,685	5.508%
245	a	34,546,450	10.382%
260	a	34,344,039	15.227%
300	a	34,036,624	20.028%
260	c	33,929,328	24.815%
260	b	32,718,296	29.430%
500	a	28,551,332	33.458%
300	c	28,209,126	37.437%
245	c	23,392,636	40.737%
100	a	22,586,980	43.924%
650	z	18,657,439	46.556%
300	b	14,923,587	48.661%
245	b	14,033,120	50.641%
700	a	12,941,136	52.466%
043	a	12,760,839	54.267%
650	x	12,002,548	55.960%
880	a	11,732,818	57.615%
880	6	11,359,428	59.217%
090	a	11,252,721	60.805%
090	b	11,151,859	62.378%
100	d	9,462,910	63.713%
710	a	9,172,035	65.007%
020	a	8,310,191	66.179%
504	a	7,747,294	67.272%

OCLC Member Records (books)			
Field Tag	Sub-field Code	Number of Total Occurrences of Each F/S	Cumulative Total Percentage of F/S Occurrences
650	v	7,493,905	68.329%
651	a	6,761,357	69.283%
651	x	5,541,092	70.065%
490	a	5,278,432	70.809%
440	a	4,939,913	71.506%
250	a	4,841,806	72.189%
710	b	4,499,859	72.824%
082	a	4,107,771	73.404%
880	c	4,071,362	73.978%
600	a	3,938,203	74.533%
110	a	3,932,343	75.088%
700	d	3,924,874	75.642%
050	a	3,820,443	76.181%
653	a	3,730,151	76.707%
490	v	3,523,714	77.204%
092	a	3,431,587	77.688%
740	a	3,364,134	78.163%
050	b	3,294,509	78.628%
533	a	3,219,513	79.082%
246	a	3,171,837	79.529%
245	h	3,166,480	79.976%
440	v	3,126,966	80.417%
533	b	3,124,830	80.858%
830	a	3,118,243	81.298%

OCLC Member Records (books)			
Field Tag	Sub-field Code	Number of Total Occurrences of Each F/S	Cumulative Total Percentage of F/S Occurrences
533	c	3,095,713	81.734%
533	d	2,999,707	82.158%
880	b	2,973,049	82.577%
082	2	2,853,162	82.980%
610	a	2,842,115	83.380%
600	d	2,752,656	83.769%
533	e	2,745,341	84.156%
110	b	2,708,711	84.538%
041	a	2,659,228	84.913%
092	b	2,613,934	85.282%
830	v	2,566,816	85.644%
650	2	2,254,579	85.962%
245	6	2,147,804	86.265%
260	6	2,089,958	86.560%
010	a	2,037,648	86.848%
020	c	1,925,846	87.119%
015	a	1,870,896	87.383%
016	a	1,790,631	87.636%
651	v	1,756,515	87.884%
100	q	1,625,335	88.113%
041	h	1,548,925	88.331%
651	y	1,509,523	88.544%
505	a	1,442,583	88.748%
539	a	1,308,977	88.932%
539	d	1,308,445	89.117%
539	b	1,304,197	89.301%
502	a	1,283,822	89.482%
700	e	1,277,075	89.662%
880	d	1,258,332	89.840%
055	a	1,257,648	90.017%
533	f	1,239,425	90.192%
539	e	1,235,933	90.366%
240	a	1,210,939	90.537%
700	6	1,200,929	90.707%
650	y	1,149,652	90.869%
987	a	1,015,897	91.012%
987	b	1,015,041	91.155%
987	d	1,014,937	91.298%
086	a	1,008,661	91.441%
610	x	972,716	91.578%
080	a	964,623	91.714%
016	2	939,535	91.847%
610	b	914,515	91.976%
100	6	893,202	92.102%
037	b	840,021	92.220%
042	a	822,014	92.336%
060	a	816,105	92.451%
072	a	798,207	92.564%
500	6	781,117	92.674%
700	q	772,373	92.783%
510	a	771,248	92.892%
440	6	770,932	93.001%
653	6	757,684	93.107%
880	v	748,020	93.213%
510	c	739,828	93.317%
886	a	736,851	93.421%
987	c	723,469	93.523%
250	6	710,933	93.624%
700	t	702,916	93.723%
240	l	697,206	93.821%
100	c	666,173	93.915%
987	e	664,647	94.009%
037	a	663,719	94.103%
810	a	656,600	94.195%
084	a	646,372	94.286%
520	a	635,366	94.376%
810	t	632,144	94.465%

OCLC Member Records (books)			
Field Tag	Sub-field Code	Number of Total Occurrences of Each F/S	Cumulative Total Percentage of F/S Occurrences
630	a	604,164	94.550%
260	f	600,115	94.635%
245	n	596,938	94.719%
810	v	591,911	94.803%
600	x	581,854	94.885%
730	a	568,954	94.965%
546	a	558,244	95.044%
886	2	548,561	95.121%
886	b	547,775	95.198%
600	v	542,750	95.275%
600	c	536,991	95.351%
655	a	536,536	95.426%

Last row indicates the point of the calculated threshold.

Table 10. Example Results from Analysis of Field Used in Less Than 1% of All Records in Non-LC-created Records Dataset

- Type of Record: **Book, Pamphlets, and Printed Sheets**
- Total number of records in dataset: **34,546,200**
- Number of unique field/subfields used: **193**
- Number of these used in less than 1% of all records: **123 (64%)**

Field Tag	Number of Records Where Field is Used at Least Once	Percentage of Records Where Field is Used at Least Once	Field Tag	Number of Records Where Field is Used at Least Once	Percentage of Records Where Field is Used at Least Once
265	314,373	0.910007%	524	1,790	0.005181%
130	312,372	0.904215%	585	1,736	0.005025%
045	271,699	0.786480%	562	1,483	0.004293%
856	262,739	0.760544%	310	1,453	0.004206%
088	259,937	0.752433%	785	1,111	0.003216%
096	251,499	0.728008%	256	970	0.002808%
530	226,614	0.655974%	563	967	0.002799%
711	181,359	0.524975%	526	867	0.002510%
800	181,351	0.524952%	507	787	0.002278%
501	168,714	0.488372%	516	731	0.002116%
536	146,605	0.424374%	247	705	0.002041%
263	144,900	0.419438%	581	459	0.001329%
242	102,719	0.297338%	657	442	0.001279%
521	89,764	0.259838%	654	388	0.001123%
850	81,504	0.235928%	760	309	0.000894%
513	71,438	0.206790%	767	238	0.000689%
583	68,101	0.197130%	522	235	0.000680%
611	60,256	0.174421%	786	171	0.000495%
027	57,699	0.167020%	243	161	0.000466%
580	54,778	0.158564%	753	161	0.000466%
699	49,810	0.144184%	048	146	0.000423%
541	41,225	0.119333%	656	142	0.000411%
534	38,000	0.109998%	222	90	0.000261%
535	33,808	0.097863%	210	88	0.000255%
506	29,329	0.084898%	547	73	0.000211%
052	27,183	0.078686%	340	69	0.000200%
538	24,336	0.070445%	556	66	0.000191%
550	21,614	0.062565%	321	56	0.000162%
006	21,187	0.061329%	514	56	0.000162%
024	21,134	0.061176%	254	52	0.000151%
772	18,977	0.054932%	035	51	0.000148%
765	18,065	0.052292%	030	49	0.000142%
561	14,534	0.042071%	720	48	0.000139%
044	12,864	0.037237%	047	46	0.000133%
787	12,476	0.036114%	774	39	0.000113%
515	12,279	0.035544%	046	37	0.000107%
025	10,999	0.031839%	658	27	0.000078%
018	10,463	0.030287%	762	18	0.000052%
525	10,313	0.029853%	013	14	0.000041%
017	9,735	0.028180%	036	14	0.000041%
775	8,590	0.024865%	032	12	0.000035%
545	6,489	0.018784%	306	10	0.000029%
022	6,127	0.017736%	754	8	0.000023%
051	6,068	0.017565%	071	6	0.000017%
811	5,500	0.015921%	410	6	0.000017%
028	5,296	0.015330%	012	3	0.000009%
936	5,239	0.015165%	584	3	0.000009%
586	5,061	0.014650%	693	3	0.000009%
555	4,856	0.014057%	307	2	0.000006%
518	4,633	0.013411%	400	2	0.000006%
770	4,581	0.013261%	552	2	0.000006%
351	4,083	0.011819%	565	2	0.000006%
255	3,632	0.010513%	089	1	0.000003%
033	3,506	0.010149%	257	1	0.000003%
540	3,461	0.010018%	411	1	0.000003%
362	3,038	0.008794%	450	1	0.000003%
270	2,727	0.007894%	509	1	0.000003%
544	2,227	0.006446%	660	1	0.000003%
780	2,157	0.006244%	712	1	0.000003%
511	2,144	0.006206%	750	1	0.000003%
034	2,115	0.006122%			
508	1,921	0.005561%			
777	1,803	0.005219%			

Table 11. Base Record: Commonly Occurring Fields and Subfields Across All Formats in Library of Congress Record Sets

- Total Number of Records in Dataset: **8,713,665**
- Commonly Occurring Fields: **7**
- Commonly Occurring Subfields: **10**

Field Tag	Subfield Code	Element Name
008	--	FIXED-LENGTH DATA ELEMENTS
010	--	LIBRARY OF CONGRESS CONTROL NUMBER
010	a	LC control no.
245	--	TITLE STATEMENT
245	a	Title
260	--	PUBLICATION, DISTRIBUTION, ETC. (IMPRINT)
260	a	Place of pub., distribution, etc.
260	c	Date of pub., distribution, etc.
300	--	PHYSICAL DESCRIPTION
300	a	Extent
300	b	Other physical details
300	c	Dimensions
500	--	GENERAL NOTE
500	a	General note
650	--	SUBJECT ADDED ENTRY-TOPICAL TERM
650	a	Topical term or geographic....
650	z	Geographic subdivision

Table 12. Base Record: Commonly Occurring Fields and Subfields Across All Formats in Non-LC Record Sets

- Total Number of Records in Dataset: **47,463,718**
- Commonly Occurring Fields: **6**
- Commonly Occurring Subfields: **20**

Field Tag	Subfield Code	Element Name
008	--	FIXED-LENGTH DATA ELEMENTS
043	a	Geographic area code
090*	a	Classification number [<i>Locally-assigned LC-type</i>]
090*	b	Local cutter number [<i>Locally-assigned LC-type</i>]
245	--	TITLE STATEMENT
245	a	Title
245	b	Remainder of title
245	c	Statement of responsibility, etc.
245	h	Medium
246	a	Title proper/short title
260	--	PUBLICATION, DISTRIBUTION, ETC. (IMPRINT)
260	a	Place of pub., distribution, etc.
260	c	Date of pub., distribution, etc.
300	--	PHYSICAL DESCRIPTION
300	a	Extent
300	b	Other physical details
300	c	Dimensions
500	--	GENERAL NOTE
500	a	General note
650	--	SUBJECT ADDED ENTRY-TOPICAL TERM
650	a	Topical term or geographic....
650	v	Form subdivision
650	x	General subdivision
650	z	Geographic subdivision
700	a	Personal name
710	a	Corporate name or jurisdiction...

* Field 090 is an OCLC-MARC field.

Table 13. Format Specific Commonly Occurring Fields and Subfields, excluding Base Elements

- Source and Type of Records: **LC-created Books, Pamphlets, and Printed Sheets Records**
- Total Number of Records in Dataset: **7,595,887**
- Commonly Occurring Fields: **16**
- Commonly Occurring Subfields: **70**

Field Tag	Subfield Code	Element Name
015	--	NATIONAL BIBLIOGRAPHY NUMBER
015	a	National bibliography no.
016	a	Record control no.
020	--	INTERNATIONAL STANDARD SERIAL NUMBER
020	a	ISBN
020	c	Terms of availability
025	a	Overseas acquisition no.
041	a	Lang. code of text/sound track....
042	--	AUTHENTICATION CODE
042	a	Authentication code
043	--	GEOGRAPHIC AREA CODE
043	a	Geographic area code
050	--	LIBRARY OF CONGRESS CALL NUMBER
050	a	Classification no.
050	b	Item no.
060	a	Classification no.
082	--	DEWEY DECIMAL CALL NUMBER
082	2	Edition no.
082	a	Classification no.

Field Tag	Subfield Code	Element Name
092	a	
092	b	
100	--	MAIN ENTRY PERSONAL NAME
100	6	Linkage
100	a	Personal name
100	d	Dates associated with a name
100	q	Fuller form of name
110	a	Corporate name...
110	b	Subordinate unit
240	a	Uniform title
245	6	Linkage
245	b	Remainder of title
245	c	Statement of responsibility, etc.
246	a	Title proper/short title
250	--	EDITION STATEMENT
250	6	Linkage
250	a	Edition statement
260	6	Linkage
260	b	Name of pub., distributor, etc.
440	--	SERIES STATEMENT/ADDED ENTRY TITLE
440	a	Title

Field Tag	Subfield Code	Element Name
440	v	Volume/sequential designation
490	--	SERIES STATEMENT
490	a	Series statement
490	v	Volume/sequential designation
504	--	BIBLIOGRAPHY, ETC. NOTE
504	a	Bibliography, etc. note
505	a	Formatted contents note
505	r	Statement of responsibility
505	t	Title
520	a	Summary, etc. note
533	b	Place of repro.
533	c	Agency responsible for repro.
546	a	Lang. note
600	--	SUBJECT ADDED ENTRY-PERSONAL NAME
600	a	Personal name
600	d	Dates associated...
600	x	General subdivision
610	a	Corporate name or jurisdiction...
650	v	Form subdivision
650	x	General subdivision
650	y	Chronological subdivision
651	--	SUBJECT ADDED ENTRY-GEOGRAPHIC NAME
651	a	Geographic name

Field Tag	Subfield Code	Element Name
651	v	Form subdivision
651	x	General subdivision
651	y	Chronological subdivision
653	a	Uncontrolled term
700	--	ADDED ENTRY PERSONAL
700	a	Personal name
700	d	Dates associated...
700	e	Relator term
700	q	Fuller form of name
710	--	ADDED ENTRY CORPORATE NAME
710	a	Corporate name or jurisdiction...
710	b	Subordinate unit
740	a	Uncontrolled related/analytical title
830	a	Uniform title
830	v	Volume/sequential designation
856	3	Materials specified
856	u	Uniform Resource Identifier
880	--	ALTERNATE GRAPHIC REPRESENTATION
880	6	Linkage
880	a	
880	b	
880	c	
880	d	

* = implied from field level requirement

Table 14. Format Specific Commonly Occurring Fields and Subfields, excluding Base Elements

- Source and Type of Records: of Non-LC-created Books, Pamphlets, and Printed Sheets Records
- Total Number of Records in Dataset: 34,546,200
- Commonly Occurring Fields: 25
- Commonly Occurring Subfields: 107

Field Tag	Subfield Code	Element Name
007	--	PHYSICAL DESCRIPTION FIXED FIELD
010	a	LC control no.
015	a	National bibliography no.
016	2	Source
016	a	Record control no.
020	--	INTERNATIONAL STANDARD SERIAL NUMBER
020	a	ISBN
020	c	Terms of availability
037	a	Stock no.
037	b	Source of stock no./acq.
041	--	LANGUAGE CODE
041	a	Lang. code of text/sound track....
041	h	Lang. code of original...
042	a	Authentication code
043	--	GEOGRAPHIC AREA CODE
050	--	LIBRARY OF CONGRESS CALL NUMBER
050	a	Classification no.
050	b	Item no.
055	a	Classification no.
060	a	Classification no.
072	a	Subject category code
080	a	Universal Decimal Class. no.
082	--	DEWEY DECIMAL CALL NUMBER
082	2	Edition no.
082	a	Classification no.
084	a	Classification no.
086	a	Classification no.
090	--	
092	--	
092	a	
092	b	
100	--	MAIN ENTRY PERSONAL NAME
100	6	Linkage
100	a	Personal name

Field Tag	Subfield Code	Element Name
100	c	Titles and other words....
100	d	Dates associated with a name
100	q	Fuller form of name
110	--	MAIN ENTRY CORPORATE NAME
110	a	Corporate name...
110	b	Subordinate unit
240	a	Uniform title
240	l	Lang. of a work
245	6	Linkage
245	n	No. of part/section of a work
246	--	VARYING FORM OF TITLE
250	--	EDITION STATEMENT
250	6	Linkage
250	a	Edition statement
260	6	Linkage
260	b	Name of pub., distributor, etc.
260	f	Manufacturer
440	--	SERIES STATEMENT/ADDED ENTRY TITLE
440	6	Linkage
440	a	Title
440	v	Volume/sequential designation
490	--	SERIES STATEMENT
490	a	Series statement
490	v	Volume/sequential designation
500	6	Linkage
502	a	Dissertation note
504	--	BIBLIOGRAPHY, ETC. NOTE
504	a	Bibliography, etc. note
505	a	Formatted contents note
510	a	Name of source
510	c	Location within source
520	a	Summary, etc. note
533	--	REPRODUCTION NOTE
533	a	Type of repro.
533	b	Place of repro.
533	c	Agency responsible for repro.

Field Tag	Subfield Code	Element Name
533	d	Date of repro.
533	e	Physical description of repro.
533	f	Series statement of repro.
539	a	
539	b	
539	d	
539	e	
546	a	Lang. note
600	--	SUBJECT ADDED ENTRY-PERSONAL NAME
600	a	Personal name
600	c	Titles and other words...
600	d	Dates associated...
600	v	Form subdivision
600	x	General subdivision
610	--	SUBJECT ADDED ENTRY-CORPORATE NAME
610	a	Corporate name or jurisdiction...
610	b	Subordinate unit
610	x	General subdivision
630	a	Uniform title
650	2	Source of heading or term
650	y	Chronological subdivision
651	--	SUBJECT ADDED ENTRY-GEOGRAPHIC NAME
651	a	Geographic name
651	v	Form subdivision
651	x	General subdivision
651	y	Chronological subdivision
653	--	INDEX TERM UNCONTROLLED
653	6	Linkage
653	a	Uncontrolled term
655	a	Genre/form data or focus term
700	--	ADDED ENTRY PERSONAL
700	6	Linkage
700	d	Dates associated...

Field Tag	Subfield Code	Element Name
700	e	Relator term
700	q	Fuller form of name
700	t	Title of a work
710	--	ADDED ENTRY CORPORATE NAME
710	b	Subordinate unit
730	a	Uniform title
740	--	ADDED ENTRY UNCONTROLLED RELATED/ANALYTICAL TITLE
740	a	Uncontrolled related/analytical title
810	a	Corporate name or jurisdiction...
810	t	Title of a work
810	v	Volume/sequential designation
830	--	SERIES ADDED ENTRY UNIFORM TITLE
830	a	Uniform title
830	v	Volume/sequential designation
880	--	ALTERNATE GRAPHIC REPRESENTATION
880	6	Linkage
880	a	
880	b	
880	c	
880	d	
880	v	
886	2	Source of data
886	a	Tag of foreign MARC field
886	b	Content of foreign MARC field
987	a	
987	b	
987	c	
987	d	
987	e	

Table 15: Number of Variable Fields/Subfields Occurring in Non-LC-created Books, Pamphlets, and Printed Sheets Records Supporting the Find/Search User Task for FRBR Entities

FRBR Groups and Entities		No. of Variable Fields/Subfields Used that are Threshold Elements	Total No. of Variable Fields/Subfields Used in Set
Group 1	Work	11	151
	Manifestation	11	64
	Item	5	17
	Expression	1	28
Group 2	Person	10	22
	Corp. Body	9	36
	Person/Corp	0	0
Group 3	C/O/E/P	3	8
	Concept	4	12
	Event	2	13
	Object	0	0
	Place	3	22
Additional Entities (per Delsey)	Any	2	3
	Action	0	3
	Contract	0	0
	Curriculum	0	3
	Grant	0	0
	Program	0	0
	Project	0	0
	Study Program	0	0
Task	0	0	
TOTAL		61	382

Table 16: Number of Variable Fields/Subfields Occurring in Non-LC-created Books, Pamphlets, and Printed Sheets Records Supporting the Identify User Task for FRBR Entities

FRBR Groups and Entities		No. of Variable Fields/Subfields Used that are Threshold Elements	Total No. of Variable Fields/Subfields Used in Set
Group 1	Manifestation	29	281
	Work	13	194
	Item	5	23
	Expression	3	47
Group 2	Person	10	22
	Corp. Body	10	50
	Person/Corp	0	2
Group 3	C/O/E/P	2	6
	Concept	4	12
	Event	2	15
	Object	0	0
	Place	2	16
Additional Entities (per Delsey)	Any	2	3
	Action	0	3
	Contract	0	1
	Curriculum	0	3
	Grant	0	1
	Program	0	1
	Project	0	1
	Study Program	0	1
Task	0	1	
TOTAL		82	683

Table 17: Number of Variable Fields/Subfields Occurring in Non-LC-created Books, Pamphlets, and Printed Sheets Records Supporting the Select User Task for FRBR Entities

FRBR Groups and Entities		No. of Variable Fields/Subfields Used that are Threshold Elements	Total No. of Variable Fields/Subfields Used in Set
Group 1	Manifestation	17	104
	Expression	6	28
	Work	3	23
	Item	0	2
Group 2	Person	0	0
	Corp. Body	1	1
	Person/Corp	0	0
Group 3	C/O/E/P	1	2
	Concept	0	0
	Event	0	5
	Object	0	0
	Place	1	7
Additional Entities (per Delsey)	Any	0	0
	Action	0	0
	Contract	0	0
	Curriculum	0	0
	Grant	0	0
	Program	0	0
	Project	0	0
	Study Program	0	1
Task	0	0	
TOTAL		29	173

Table 18: Number of Variable Fields/Subfields Occurring in Non-LC-created Books, Pamphlets, and Printed Sheets Records Supporting the Obtain User Task for FRBR Entities

FRBR Groups and Entities		No. of Variable Fields/Subfields Used that are Threshold Elements	Total No. of Variable Fields/Subfields Used in Set
Group 1	Manifestation	26	250
	Item	5	18
	Expression	2	7
	Work	1	7
Group 2	Person	0	0
	Corp. Body	1	9
	Person/Corp	0	0
Group 3	C/O/E/P	0	0
	Concept	0	0
	Event	0	0
	Object	0	0
	Place	0	0
Additional Entities (per Delsey)	Any	2	3
	Action	0	0
	Contract	0	0
	Curriculum	0	0
	Grant	0	0
	Program	0	0
	Project	0	0
	Study Program	0	0
Task	0	0	
TOTAL		37	294

Table 19: Commonly Occurring Variable Fields/Subfields in Non-LC-created Books, Pamphlets, and Printed Sheets Records Supporting the Find/Search User Task for FRBR Entities

MARC Tag	Sub-field	Data Element	FRBR Entity
020	a	ISBN	Manifestation
037	a	Stock no.	Manifestation
043	a	Geographic area code	Place
050	a	Classification no.	Item
050	b	Item no.	Item
055	a	Classification no.	Item
060	a	Classification no.	Item
072	a	Subject category code	C/O/E/P
080	a	Universal Decimal Class. no.	Any
082	a	Classification no.	Any
084	a	Classification no.	Item
086	a	Classification no.	Manifestation
100	a	Personal name	Person
100	c	Titles and other words...	Person≈
100	d	Dates associated with a name	Person
100	q	Fuller form of name	Person
110	a	Corporate name...	Corp. Body?
110	b	Subordinate unit	Corp. Body
111	a	Meeting name...	Corp. Body?
111	d	Date of meeting	Corp. Body
240	a	Uniform title	Work?
240	l	Lang. of a work	Expression
245	a	Title	Manifestation
245	c	Statement of responsibility, etc.	Manifestation
245	n	No. of part/section of a work	Manifestation
246	a	Title proper/short title	Manifestation
440	a	Title	Manifestation
440	v	Volume/sequential designation	Manifestation
490	a	Series statement	Manifestation
490	v	Volume/sequential designation	Manifestation
600	a	Personal name	Person

MARC Tag	Sub-field	Data Element	FRBR Entity
600	c	Titles and other words...	Person?
600	d	Dates associated...	Person
600	v	Form subdivision	Work
600	x	General subdivision	Concept
610	a	Corporate name or jurisdiction...	Corp. Body?
610	b	Subordinate unit	Corp. Body
610	v	Form subdivision	Work
610	x	General subdivision	Concept
630	a	Uniform title	Work?
650	a	Topical term or geographic....	C/O/E/P
650	v	Form subdivision	Work
650	x	General subdivision	Concept
650	y	Chronological subdivision	Event
650	z	Geographic subdivision	Place
651	a	Geographic name	Place
651	v	Form subdivision	Work
651	x	General subdivision	Concept
651	y	Chronological subdivision	Event
653	a	Uncontrolled term	C/O/E/P
700	a	Personal name	Person
700	d	Dates associated...	Person
700	q	Fuller form of name	Person
700	t	Title of a work	Work
710	a	Corporate name or jurisdiction...	Corp. Body?
710	b	Subordinate unit	Corp. Body
730	a	Uniform title	Work?
740	a	Uncontrolled related/analytical title	Work?
810	a	Corporate name or jurisdiction...	Corp. Body?
810	t	Title of a work	Work
830	a	Uniform title	Work?

Table 20. Distribution of Records by Type of Record and Encoding Level

Encoding Level (17_EncodLevel)	Type of Record (06_RecType)														TOTAL
	a	c	d	e	f	g	i	j	k	m	o	p	r	t	
#	7,223,469	52,706	1,503	212,781	1,987	29,082	16,190	75,765	5,643	6,695	164	23	3	35,961	7,661,972
1	871,506	6,285	2,332	2,119	43	85,068	710	19,850	5	1	1	16,499	0	4,116	1,008,535
2	571	7	0	0	0	0	43	198	1,009	1	0	0	1	4	1,834
3	466,659	2,379	40	802	6	699	271	15,003	13,045	18,100	0	145	0	5,972	523,121
4	608,761	11,229	64	5,154	7	10,480	17,263	20,788	82	2,551	25	56	24	7,056	683,540
5	294,137	27	0	124	0	97	76	215	1	125	9	1	0	55	294,867
7	1,128,953	14,832	21	18,806	15	15,203	13,682	86,425	54,856	3,746	5	1	1	5,684	1,342,230
8	406,077	111	0	79	0	20	82	0	2	163	6	0	0	5	406,545
E	18	0	0	0	0	1	1	0	0	0	0	0	0	0	20
I	18,730,121	673,066	32,548	364,628	6,527	931,087	344,985	815,067	186,819	142,759	23,093	164,634	32,740	2,348,563	24,796,637
J	60,908	62	0	1,192	1	56	6	119	2	29	0	0	0	0	62,375
K	7,371,930	154,294	5,448	77,107	1,620	242,010	111,835	205,976	56,435	50,132	5,219	43,997	8,424	1,463,183	9,797,610
L	927,392	10,686	1,188	1,617	56	788	2,797	3542	71	1821	59	964	47	26,141	977,169
M	7,277,408	289,401	20,153	153,482	3,761	124,885	39,554	155,815	22,527	211	2,262	21,973	1,108	508,388	8,620,928
TOTAL	45,367,910	1,215,085	63,297	837,891	14,023	1,439,476	547,495	1,398,763	340,497	226,334	30,843	248,293	42,348	4,405,128	56,177,383

Encoding Level Key

..... Full level
 1 Full level, material not examined
 2 Less-than-full level, material not examined
 3 Abbreviated level
 4 Core-level
 5 Partial, or preliminary, level
 7 Minimal level
 8 Prepublication level
 E System-identified input by OCLC participants
 I Full-level input by OCLC participants
 J Deleted record
 K Less-than-full input by OCLC participants
 L Full-level input added from a batch process
 M Less-than-full added from a batch process

Type of Record Key

a Language material
 c Notated music
 d Manuscript notated music
 e Cartographic material
 f Manuscript cartographic material
 g Projected medium
 i Nonmusical sound recording
 j Musical sound recording
 k Two-dimensional nonprojectable graphic
 m Computer file
 o Kit
 p Mixed material
 r Three-dimensional artifact or naturally occurring object
 t Manuscript language material