

Core Level Cataloguing for Non-serial Cartographic Materials (Suggested by the Bibliographic Control Committee, ACMLA)

This document is a revision of the core document published in the ACMLA Bulletin, no. 108, Spring/Summer 2000, p. 55-56.

Library and Archives Canada's online catalogue, AMICUS, now houses 145,000 cartographic cataloguing records from 32 Canadian institutions. This union catalogue of maps is a substantial database, and it continues to grow as current records are added and as more institutions begin to participate.

With a number of libraries contributing cataloguing records, there is a need for a "core level of cataloguing" standard for cartographic materials. Although there is a CONSER core record for cartographic materials (see item 4.7 at the web address: <http://lcweb.loc.gov/acq/conser/recordreq.html>), there is no official core level cataloguing standard for non-serial cartographic materials. Members of the Bibliographic Control Committee, ACMLA and representatives of the Union Catalogue Division of Library and Archives Canada have prepared the following guidelines for this latter category. It is hoped that this core level of cataloguing will provide better access to cartographic materials in AMICUS, and that it will also facilitate in the matching process when catalogue records are loaded. The fields that are used for automated matching are indicated below with the symbol *.

M=Mandatory; MA=Mandatory if applicable; O=Optional		
Leader & Directory		CODES
* Leader 06 (Type of record)		M [1]
* Leader 07 (Bibliographic level)		M
Leader 17 (Encoding level)		M
Leader 18 (Descriptive cataloguing form)		M
Variable Control Fields		
* 001		M
007		M [2]
008	(Fixed Fields)	
06	(Type of date/Publication status)	M
* 07-10	(Date 1)	M
11-14	(Date 2)	MA
* 15-17	(Place of publication, etc.)	M
18-21	(Relief)	O
22-23	(Projection)	O
25	(Type of cartographic material)	O
28	(Government publication)	O
* 29	(Form of item)	M
31	(Index)	O
33-34	(Special format characteristics)	O
35-37	(Language)	M
39	(Cataloguing source)	M
* 010	Library of Congress Control Number (LCCN)	O
* 020	\$a International Standard Book Number (ISBN)	MA
* 034	Coded Cartographic Mathematical Data	
* \$a		M
* \$b		MA
\$d-\$g		O
037	\$a Source of Acquisition (Stock number)	MA [3]

040	Cataloguing Source	
	\$a	M
	* \$b	M
	\$c	MA
041	Language Code	MA
052	LC Classification Code	O
* 1xx	Main Entry	MA
* 245	Title Statement	
	* \$a	M
	* \$h	M [4]
	* \$b (bib level monograph)	MA
	\$c	MA
246	Varying Form of Title	MA
250	Edition Statement	MA
255	\$a Cartographic Mathematical Data (Scale)	M
	\$b Projection	O
	\$c Coordinates	O
352	\$a Digital Graphic Representation	MA
260	Publication, Distribution, Etc. (Imprint)	
	\$a, b, c	M
300	\$a Physical Description	M
	\$b, \$c	O
342	\$a Geospatial Reference Data	MA
4xx	Series Statements	MA
5xx	Notes	MA [5]
500	Source of Title Proper	M [6]
505	Formatted Contents Note	MA [7]
520	Summary note	O
533	Reproduction Note	MA
538	System Details Note	M [8]
6xx	Subject Added Entries	M [9]
7xx	Added Entries	MA
8xx	Series Added Entries	MA
856	Electronic Location and Access	MA

Footnotes:

1. Apply the *Guidelines for Distinguishing Cartographic Materials on Computer File Carriers from other Materials on Computer File Carriers*, January 1998, prepared by the Library of Congress...
<http://lcweb.loc.gov/marc/cfmap.html>
2. For information concerning the minimum level of coding for 007, refer to the article *National Union Catalogue Map Records: Mismatched Records* in ACMLA Bulletin, no. 104, Winter 1999, p. 58. This article will also be posted on the ACMLA web site.
3. Record MCR and MCE numbers in this field.
4. For information concerning the GMD, refer to the article *National Union Catalogue Map Records: Mismatched Records* in ACMLA Bulletin no. 104, Winter 1999, p. 58. This article will also be posted on the ACMLA web site.
5. Only those notes that support identification of item need be included. Criteria may vary from one item to another.
6. If the title is taken from a source other than the chief source of information (AACR2 rule 3.7B3).
7. Supply as appropriate for collections, compilations, or for any multi-part work.
8. For **direct access files**: Make a "System requirements" note according to Chapter 9 of AACR2. For **remote access files**: Make a "Mode of access" note according to Chapter 9 of AACR2.
9. Make a 650 or 651 subject added entry.

Core Level Cataloguing for Non-serial Cartographic Materials: Examples
M=Mandatory; MA=Mandatory if applicable; O=Optional; . = [blank] in LD, 007 and 008

Single map bibliographic record

- M 1. LD 00947nem...a.
- M 2. 007 aj.canzn
- M 3. 008 940610s1999....pau... ..a.s.....eng.d
- M 4. 034 1 \$aa\$b650000\$dW0803000\$eW0744500\$fN0421500\$gN0393000
- M 5. 040 \$aCaOOU\$beng
- O 6. 052 \$a3821
- M 7. xxx \$axxx [Local call no. eg. G3821.P2 1999 .P4]
- MA 8. 110 1 \$aPennsylvania.\$bDept. of Transportation.\$bCartographic Information Division.
- M 9. 245 10 \$aPennsylvania official transportation and tourism map\$h[cartographic material] /\$cprepared by Cartographic Information Division, Dept. of Transportation.
- MA 10. 246 1 \$iPanel title: \$aPennsylvania state parks & forests
- M 11. 255 \$aScale [1:650,000]\$c(W 80°30'--W 74°45'/N 42°15'--N 39°30')
- M 12. 260 \$a[Harrisburg, Pa.] :\$bDept. of Transportation,\$c1999.
- M 13. 300 \$a1 map :\$bcol. ;\$c56 x 84 cm.
- M 14. 500 \$aOn verso: 2 information tables on parks and forest lands and information on facilities and activities.
- M 15. 650 0 \$aRoads\$zPennsylvania\$vMaps.
- M 16. 651 0 \$aPennsylvania\$vMaps, Tourist.

Series map bibliographic record

- M 1. LD 01131nec..... a.
- M 2. 007 aj.canzn
- M 3. 008 950504m19939999ie.acg.bh.b.f.....eng.d
- MA 4. 020 \$a090499645X
- M 5. 034 1 \$aa\$b50000\$dW0110000\$eW0050000\$fN0553000\$gN0511000
- M 6. 040 \$aCaOOU\$beng
- MA 7. 041 0 \$aengirifreger
- O 8. 052 \$a5780
- M 9. xxx \$axxx[Local call no.: eg. G5780 s50 .07]
- MA 10. 110 2 \$aOrdnance Survey (Ireland).
- M 11. 245 10 \$aDiscovery series 1:50 000\$h[cartographic material] :\$b[Ireland] /\$ccompiled, printed & published by the Director at the Ordnance Survey Office.
- MA 12. 246 13 \$a1:50 000 discovery series :\$b[Ireland]
- M 13. 255 \$aScale 1:50,000 ;\$bTransverse Mercator proj.\$c(W 11°00'--W 5°00'/N 55°30'--N 51°10').
- M 14. 260 \$aDublin :\$bOrdnance Survey of Ireland,\$c[1993]- .
- M 15. 300 \$a maps :\$bcol. ;\$con sheets 103 x 80 cm. or smaller.
- O 16. 500 \$aRelief shown by contours, hypsometric tints, and spot heights.
- O 17. 546 \$aLegend and marginal information in English, Gaelic, French, and German.
- O 18. 500 \$aPanel title.
- O 19. 500 \$aDescription based on sheet no. 1, Straith Eolais.
- O 20. 500 \$aGeographic coverage complete in 89 sheets.
- O 21. 515 \$aEach sheet individually titled and numbered.
- M 22. 651 0 \$alreland\$vMaps, Topographic.

Geomatics cataloguing bibliographic record

- | | | |
|----|------------|--|
| M | 1. LD | 01133 nec..... a. |
| O | 2. 006 | m.....c.s |
| M | 3. 007 | aj.cenzn |
| M | 4. 007 | co.cg. a aaa |
| M | 5. 008 | 010501s2000....onc.... .b..ss.0...eng.d |
| M | 4. 034 1 | \$aa\$b100000\$dW0952000\$eW0740000\$eN0570000\$fN0420000 |
| M | 5. 040 | \$aCaOOU\$beng |
| O | 6. 052 | \$a3461 |
| M | 7. xxx | \$axxx[local call no.: eg. ROM80218] |
| MA | 8. 110 1 | \$aOntario.\$bMinistry of Transportation.\$bGeomatics Office. |
| M | 9. 245 10 | \$aDigital cartographic reference base\$h[cartographic material] :\$b[Ontario] /\$cOntario
Ministry of Transportation, Geomatics Office. |
| MA | 10. 250 | \$aVersion 2.0 |
| M | 11. 255 | \$aScale 1:100,000\$c(W 95°20'--W 74°00'/N 57°00'--N 42°00'). |
| M | 12. 260 | \$aToronto :\$bOntario Ministry of Transportation,\$c2000. |
| M | 13. 300 | \$a1 computer optical disc :\$bcol. ;\$c4 3/4 in. |
| MA | 14. 342 00 | \$bDecimal degree |
| MA | 15. 342 05 | \$aNorth American datum of 1927 |
| MA | 16. 352 | \$aVector |
| O | 17. 514 | \$aPositional accuracy + - 100 metres. |
| O | 18. 520 | \$aCoverage of these data is the Province of Ontario in its entirety with portions of the adjacent provinces/states also included. Features shown on the current Ontario road map are included in the DCRB with the exception of park boundaries and interchange numbers. Boundary files include: administrative, electoral, geographic townships and MTO (Ontario Ministry of Transportation) regional and district boundaries. General outline files include province of Ontario and surrounding provinces/states, lakes. Point and line features includes: rivers, roads, railroads, and roadmap features such as picnic areas, service stations, tourist areas, etc. |
| M | 19.538 | \$aSystems requirements: Windows PC, with Pentium processor, mouse, CD-ROM drive. ArcInfo or ArcView software is necessary to open and manipulate the data. Minimum hardware requirements dependent upon GIS system employed. |
| M | 20. 538 | \$aAll original data was captured and converted to ARC/INFO shapefiles by digitizing from the Ministry County Map series for Southern Ontario and from the provincial map series produced by Ministry of Natural Resources at a data capture scale of 1:100,000. |
| O | 21. 540 | \$aUser must sign End-User licence agreement before downloading data. |
| M | 22. 650 0 | \$aRoads\$zOntario\$vMaps\$vDatabases. |
| M | 23. 650 0 | \$aOntario\$vMaps, Tourist\$vDatabases. |
| M | 24. 650 0 | \$aOntario\$xAdministrative and political divisions\$vMaps\$vDatabases. |

Geomatics cataloguing bibliographic record

- | | | |
|----|-----------|--|
| M | 1.LD | 01243nem.....a. |
| O | 2.006 | m.....c.f..... |
| M | 3.007 | aj.cenzn |
| M | 4.007 | co.cg. a a |
| M | 5.008 | 060519s2003....onc....cc z.. . .eng.d |
| M | 6.034 1 | \$aa\$b125000\$dW1410000\$eW1180000\$fN0700000\$gN0600000 |
| M | 7.040 | \$aOOU\$beng |
| O | 8.052 | 3532 |
| M | 9.xxx | \$axxx[local call no.: e.g.ROM80310] |
| MA | 10.100 1 | \$aWright, J. F. |
| M | 11.245 10 | \$aDigital compilation of vegetation types of the Mackenzie Valley transportation corridor h[cartographic material]
/\$cby J.F. Wright, C. Duchesne, M.M. Côté. |
| M | 12.255 | \$aScale 1:125,000 ;\$bLambert conformal conic proj.\$c(W 141°--W 118°/N 70°--N 60°). |
| MO | 13.256 | \$aComputer data and program (330 megabytes total) |
| M | 14.260 | \$aOttawa :\$bGeological Survey of Canada,\$c2003. |
| M | 15.300 | \$a1 computer optical disk :\$bcol. ;\$c4 3/4 in. |
| MA | 16.342 01 | \$aLambert conformal conic\$c60\$e66\$g-115\$h0\$i0.00\$j0.00 |
| MA | 17.342 05 | \$aGeodetic Reference System 1980. |
| MA | 18.352 | \$aVector : bobject type : points, lines and polygons. |

MA	19.490 1	\$aOpen file / Geological Survey of Canada ; v1614
O	20.520	\$aThis CD contains digital vegetation data for the Mackenzie Valley Transportation Corridor, compiled from thirty-one maps at a scale of 1:125,000 originally prepared by the Forest Management Institute of the Canadian Forestry Service for the Environmental Social Program of the Task Force on Northern Oil Development. The broad classification of vegetation in the Mackenzie corridor was developed from interpretation of small-scale, primarily black and white, aerial photographs taken between 1970 and 1972 (W.L. Wallace, Project Leader). Field verification at 314 sites took place in summer 1971 and 1972. Relevant excerpts from the descriptive report that accompanied the maps (ESP, 1974) are included with this report. The original maps were digitized by Natural Resources Canada (Geological Survey of Canada). Vegetation classification data may be viewed via a GIS system capable of displaying shape files (the accompanying software Arcexplorer may be used for this purpose) or via the .pdf file using Adobe Acrobat Reader, v.5.05 (also included on this CD-ROM).
M	21.538	\$aHardware requirements: Pentium 200 MHZ or comparable; 32 MB RAM Memory.
M	22.538	\$aOperating system requirements: Windows® 98/2000/NT or higher.
M	23.538	\$aESRI® software requirements: ArcView® Version 3.0 or Higher (Windows® versions), ARC/INFO® Version 7.0x or higher, ArcExplorer TM (included on CD), Adobe® Acrobat® Reader® v. 5.05 (included on CD).
M	24.650 0	\$aVegetation classification\$zNorthwest Territories\$zMackenzie Valley\$vMaps\$vDatabases.
M	25.650 0	\$aPhytogeography\$zNorthwest Territories\$zMackenzie Valley\$vDatabases.
MA	26.700 1	\$aDuchesne, C.
MA	27.700 1	\$aCôté, M. M.
MA	28.710 2	\$aForest Management Institute (Canada)
MA	29.710 2	\$aGeological Survey of Canada.
MA	30.830 0	\$aOpen file (Geological Survey of Canada) ;\$v1614

Symbols

. = blank space

| = undefined

Remote-sensing image bibliographic record

M	1. LD	1128nem.....a.
M	2. 007	ar canzn
M	3. 007	ru cc0fbbdv
M	4. 008	03027s1994....enkb z f. 0 ..eng.d
M	5. 034 1.	\$aa\$b15000000\$dW1800000\$eE1800000\$fS0600000\$gS0900000
M	6. 040 ..	\$aOOU\$beng
O	7. 052 ..	\$a9801
M	8. xxx	[Local call no. eg. 099 G9801.A4 1994 .N3]
MA	9.110 2.	\$aNational Remote Sensing Centre (Great Britain).
M	10. 245 10	\$aAntarctica, a continent uncovered\$h[cartographic material] /\$cposter designed by Earth Observation Sciences ; design by Joy Perrett.
M	11. 255 ..	\$aScale [ca. 1:15,000,000]\$c(W 180°--E 180°/S 60°--S 90°).
M	12. 260 ..	\$aFarnborough, Eng. :\$bNational Remote Sensing Centre,\$c[1994?].
M	13. 300 ..	\$a1 remote-sensing image :\$bcol. ;\$c50 x 60 cm., on sheet 84 x 60 cm.
MA	14. 500 ..	\$aRelief shown by shading.
MA	15. 500 ..	\$aIncludes 10 insets: 7 photos, cross-section, graphic, block-diagram, and text.
MA	16. 520 ..	\$aMosaic made up of a patchwork of 28 AVHRR images acquired by NOAA's TIROS-N series of satellites.
M	17. 651 .0	\$aAntarctica\$vRemote-sensing images.
MA	18. 700 1.	\$aPerrett, Joy.
MA	19. 710 2.	\$a Earth Observation Sciences.

Remote-sensing map bibliographic record

- M 1. LDR 1167cem...a.
- M 2. 007 aj|canzn
- M 3. 007 ru|cc0fbbdv
- M 4. 008 000412s1999....onc....cc|a|f.[0]..eng.d
- M 5. 034 1. \$aa\$b6000000\$dW1410000\$eW0500000\$fN0850000\$gN0400000
- M 6. 040 .. \$aCaOTUMa\$beng\$cCaOTUMa\$dOOU
- O 7. 052 .. \$a3401
- M 8. xxx [Local call no. eg. G3401.G4 1995 .C4]
- MA 9. 110 2. \$aCanada Centre for Remote Sensing.
- M 10. 245 10 \$aLand cover of Canada\$h[cartographic material] /\$cproduced by Canada Centre for Remote Sensing, Geomatics Canada, Earth Sciences Sector, Natural Resources Canada.
- M 11. 255 .. \$aScale 1:6,000,000 ;\$bLambert conformal conic proj.\$c(W 141°--W 50°/N 85°--N 40°).
- M 12. 260 .. \$aOttawa :\$bCanada Centre for Remote Sensing,\$c1999.
- M 13. 300 \$a1 map:\$bcol. ;\$c80 x 93 cm., on sheet 80 x 114 cm.
- MA 14. 440 .0 \$aNational Atlas of Canada reference map series
- MA 15. 500 .. \$a Land cover classes includes different types of forestry and open and developed land; overlay of cartographic symbols represents selected populated places, major roads, and provincial and territorial boundaries. Also includes references, notes and illustrations.
- MA 16. 500 .. \$aAlso published in French under title: Couverture des terres du Canada.
- O 17. 520 .. \$aLand cover composite satellite image of Canada based on AVHRR satellite data obtained in 1995 (resolution 1 km.).
- M 18. 650 .0 \$aLand use\$zCanada\$vRemote-sensing maps.
- M 19. 650 .0 \$aPhytogeography\$zCanada\$vRemote-sensing maps.
- M 20. 650 .0 \$aVegetation classification\$zCanada\$vRemote-sensing maps.
- M 21. 651 .0 \$aCanada\$vRemote-sensing maps.
- M 22. 710 2. \$aGeomatics Canada.

Revised January 2008