



National topographic data base Metadata Format - NTDB Edition 3

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1-OBJECTIVE

The present document describes the transfer format of the data set metadata of the National Topographic Data Base (NTDB) edition 3. The information on an NTDB data set is transferred in two separate files: one describing the geometry and the other describing the metadata.

This format meets two needs: transfer the metadata to our clients and load the metadata into the NTDB information management internal system (SIB). The information contained in the metadata file differs slightly between both needs.

The metadata file supplied with the geometry will contain all of the territory's metadata, even if the corresponding geometry is not supplied. For example, all metadata of the 14 themes will be supplied as well as all polygons when delivering one single theme.

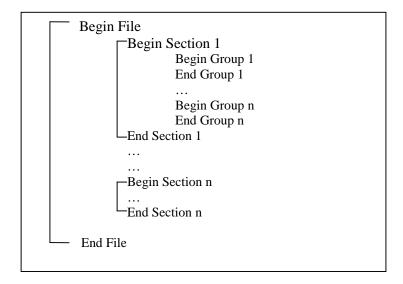
2- INFORMATION STRUCTURE

Metadata are classified into information sections. Each section has key words making it possible to determine the format and nature to the specified value. The data organized so as to enable the format's evolution and to ease its reading.

3- FORMAT GENERAL DESCRIPTION

3.1- File Structure

The file is structured in information sections. One section may repeat the same information group more than once (example: POLYGON section). The beginning and end of files, sections and information groups are delimited by key words (BEGIN,END). The following is the general structure of a metadata file:



3.2- Line Structure

Data are expressed in lines and conform to the following format:

comment column 1 columns 2 to 15 key word separator column 16

value columns 17 to 80 inclusively

Information is supplied in lines by combining the key word, separator and value. Lines have a maximum length of 80 characters. The «Value» field is ended with a carriage return to position 81 or before «Blank» k characters inserted left of the «Value» are not interpreted. However, the first «Non-blank» character met indicates the beginning of the value. The next characters have to conform to the format determined for this particular value. A chain of characters of 0 in length (carriage return to position 17) or a chain of «Blank» characters is considered empty. Information requiring more than one line shall conform to the same format (key word, separator and value).

3.2.1- Comments - Column 1

Lines with an exclamation point (!) in column no. 1 are considered comment lines and are not interpreted.

3.2.2- Key Words - Column 2 to 15

The key word field contains a defined chain of characters for the purpose of identifying the nature of the specified value. The key words meet two (2) objectives: either they delimit the structure of the file or they identify in a unique fashion the specified values.

3.2.2.1- Key Words and Structure-related Values

The key words BEGIN and END are sued to delimit the file and its sections. If more than one information group is associated to a section, it is also delimited by the key words BEGIN and END. The beginning and end of the file are combined with the FILE value. The beginning and end of a section are combined with the section name preceded by the SECTION prefix (e.g. POLYGON_SECTION). Finally, the beginning and end of a group of information are combined with the section name.

3.2.2.2- Key words and specific values

Each key word defines the nature of the value field. The key words are unique and must conform to the designated spelling.

3.2.2.3- Structure Example

BEGIN FILE

!Beginning of the polygon section

BEGIN POLYGON_SECTION

NB_POLYGON 2

! First polygon

BEGIN POLYGON

END

! Second polygon

BEGIN POLYGON

END

! End of the polygon section

END POLYGON SECTION

END FILE

3.3- Separator - column 16

Column 16 is used as separator between key words and values. The blank character is used as separator.

3.4- Values - columns 17 to 80 inclusively

The «Value» field contains the information to be transmitted. This field must conform to the format designated by each key word. Field lengths must be adhered to. The carriage return will be used to indicate the end of the chain of characters.

4- FORMAT DETAILED DESCRIPTION

The detailed description specifies the values and the format to be used for transferring metadata. The metadata file format is subjected to the following rules:

- **Scope**: Some format entries are for production or external distribution only. In this format, those entries whose type is preceded by an asterisk (*) are optional for internal production.
- **Key word**: The key word id used to clearly identify the given value and it is invariable (example: MAP EDITION).
- Value type and length: The second information provides the numerical (N) or alphanumerical (A) type and its maximum length (examples: A(2) for two alphanumerical characters, N(2) for a whole under 100).
- **Description length**: The third information provides the description field length (example: A(15) for 15 alphanumerical characters). This field contains a brief description that will facilitate consulting the metadata file. This description will be separated from the value by a blank and included between parentheses. The given length includes the parentheses. The description may be given in either English or French. Several key words have no description and are identified as having a 0 description length. The description is always optional.
- **Number of lines**: The fourth information provides the maximum number of lines that can be used for this key word (example: 4L for 4 lines maximum).

Example:

	A(2)	A(27)	4L
--	------	-------	----

4.1- TERRITORY Section

The TERRITORY Section initiates the metadata file. It contains the metadata linked to the territory represented. The data must comply with the following format and order:

BEGIN	A(30)	A(0)	11.
BEGIL	11(30)	11(0)	12

The key word BEGIN is associated with the FILE value to indicate the file's beginning.

BEGIN	A(30)	A(0)	1L
	()	(-)	

The BEGIN key word is associated with the TERRITORY_SECTION value to indicate the beginning of the section.

NTS A(4) OF	R A(6) A(0)	1L
-------------	-------------	----

Territory number according to NTS sectioning at the 1:50,000 or 1:250,000 scale. If this is a special sectioning, the NTS number corresponds to the main NTS. The NTS number format will abide by the following rules.

1:50 000
 1:250 000
 031G01
 6 characters
 4 characters

DATA_SET_NAME	*A(30)	A(0)	1L

Name associated to the cartographic sheet. The name of a territory deriving from a map's border break corresponds to the NTS number of the original map sheet.

PROVINCE	*A(2)	*A(27)	4L
----------	-------	--------	----

Provinces ordered by decreasing order of the percentage of territory they occupy. More than one province may be supplied by repeating the key word and by giving different valued.

ZONE_NUMBER_1	*N(2)	A(0)	1L
---------------	-------	------	----

Value included between 7 and 23 corresponding to the UTM zone.

Note: Main UTM zone, which comprises the largest territory of the NTDB data set. This zone is also used as the reference to the cartographic coordinate system for the whole data set.

			1
ZONE_NUMBER_2	*N(2)	A(0)	1L

Value included between 7 and 23 corresponding to the UTM zone.

Note: Secondary UTM zone, which comprises the smallest territory of the NTDB data set. This zone is for information purposes and shows the NTDB territory coverage. The cartographic coordinate system of the data set does not refer to this zone. The value « -1 » is used when a NTDB data set is completely included in a single UTM zone, which means the ZONE_NUMBER_2 does not exist. When a NTDB data set is equally split by two different UTM zones, ZONE_NUMBER_1, is assigned the West half of the data set while ZONE NUMBER 2 corresponds to the East half.

Value included between 1 and 100 which indicates, in percentage, the surface of the territory covered by mainland (i.e. excluding only the waterbodies of coastal areas, of the Great Lakes region and other major waterbodies). The reliability degree of this value is within ± 5 %.

|--|

Value permitting to determine if the file covers a territory different from the one represented by regular NTS sectioning (example : N (Normal)).

END A(30)	A(0)	1L	
-----------	------	----	--

The key word END is associated to the TERRITORY_SECTION value to indicate the end of the section.

4.2- DATA_SET Section

The DATA_SET section contains metadata linked to a specific data set. Each data set, identified by its NTS number and its edition/version number, has data set metadata. The data must conform to the following format and other:

BEGIN	A(30)	A(0)	1L
-------	-------	------	----

The key word BEGIN is associated to the DATA_SET_SECTION value to indicate the section's beginning.

EDITION_VERSIO	*A(50	A(0)	1L
----------------	-------	------	----

Edition and version number of the data set in the ed.ver form (example; 1.01).

NTDB_SPEC	A(6)	A(0)	1L	
-----------	------	------	----	--

Version numbers of NTDB Standards and Specifications which the data conform to (example : 3.0A).

DATE_AVAILABLE *A(10) A(0) 1L

Date at which the data set is included into the NTDB. The date is expressed in the following format: YYYY/MM/DD.

FORMAT A(16) A(0) 4L

This field provides the name and version of the data storage format. The information must be expressed in one single chain of characters (without blanks). It comprises the format code followed by the version (example : CCOGIF-P3.0).

UNIT_CONTOURS	A(1)	*A(7)	1L

This data indicates the measuring unit used to express contour and elevation point elevations (example : M (meter)).

CONTOUR_INTERV A(3) A(0) 1L	
-----------------------------	--

Contour intervals correspond to the elevation difference between two consecutive contours. It is expressed in integer (e.g. 10).

Auxiliary contour intervals correspond to the elevation difference between a contour and an auxiliary contour, or between two consecutive auxiliary contours. It is expressed in integer (example : 10).

DIMENSION	A(2)	A(0)	1L
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Data indicating if the data set is in two dimensions (X,Y) or in three dimensions (X,Y,h) (example : 2D).

When the data set has been produced from reprographic material, this field indicates the edition number of the map corresponding to such material (example : 2).

COMMENT	*A(64)	A(0)	32L	
---------	--------	------	-----	--

Notes and remarks recorded by the team responsible for the production of the data set.

END	A(30)	A(0)	1L
	` '	` '	

The key word END is associated to the DATA_SET_SECTION value to indicate the end of the section.

4.3- INTEGRATION Section

The INTEGRATION section provides information on the status of the horizontal integration work with the adjacent data sets.

BEGIN	A(30)	A(0)	1L
22011	11(00)	1-(0)	

The key word BEGIN is associated to the INTEGRATION_SECTION value to indicate the beginning of the section.

NORTH_EDGE	A(1)	*A(13)	1L

Data indicating the horizontal integration status for the data set's NORTH boundary.

SOUTH_EDGE	A(1)	*A(13)	1L

Data indicating the horizontal integration status for the data set's SOUTH boundary.

	EAST_EDGE	A(1)	*A(13)	1L
--	-----------	------	--------	----

Data indicating the horizontal integration status for the data set's EAST boundary.

WEST EDGE	A(1)	*A(13)	1L
	\ /	` /	

Data indicating the horizontal integration status for the data set's WEST boundary.

END	A(30)	A(0)	1L

The key word END is associated to the INTEGRATION_SECTION value to indicate the end of the section.

4.4- POLYGON Section

The POLYGON section contains the metadata localized by polygon. The polygons provide the history of the data set's entity capture and are listed by creation order in the territory (i.e. the most recent polygon appears at the end of the polygon section). The polygon section is repeated as often as there are polygons. The key word NB_POLYGONS provides the number of polygons. The data must comply with the following format and order:

REGIN	$\Delta(30)$	$\Delta(0)$	1 T
DEGIN	$\Lambda(30)$	$\Delta(0)$	IL.

The key word BEGIN is associated to the POLYGON_SECTION value to indicate the beginning of the section.

NB POLYGONS	N(3)	A(0)	1L
112_1 021 001 0	11(0)	11(0)	

This field provides the number of polygons included in this section.

BEGIN	A(30)	A(0)	1L
	\ /	\ <i>\</i>	

The key word BEGIN is associated to the POLYGON value to indicate the beginning of the information group.

ID_POLYGON	N(4)	A(0)	1L
------------	------	------	----

Sequence number identifying in a unique fashion each polygon in the territory (example : 0001). If the number is zero the information contained in this polygon is invalid. All new polygon delivered must be numbered starting at 50000.

COORDINATES	A(60)	A(0)	998L
-------------	-------	------	------

Coordinates are expressed in integer and localise metadata polygon. The polygon may represents a complex area. The first and the last coordinate of the each line must be equal. Every delimiter line must be separated by two (2) number sign character (« # »). A maximum of four pairs of coordinates or special characters are placed per line. The X and Y values, the number sign character, as well as the pairs of coordinates, are separated by blanks.

ENTITIES	A(60)	A(0)	32L
	` '	` '	

List of NTDB codes (as found in the NTDB) according to geometric representation (point, line and area).

SOURCE_TYPE	A(12)	*A(52)	1L
-------------	-------	--------	----

Type of source used. When more than one source is used, the types of source are be listed and separated by a plus (+).

SOURCE_NAME	A(64)	A(0)	1L	

Name and/or number that accurately identifies the source material used. The entry may have two distinct parts separated by a point.

The first part describes the unique identifier of the source. The second (optional) describes the origin of the source. When the source has more than one origin, the different origins are listed and separated by a plus $\ll + \infty$.

VALID_DATE A(7) A(0) 1L	VALID DATE	$\Delta(I)$	A(0)	1L
-------------------------	------------	-------------	------	----

Date qualifying the time-dependent validity of the entity occurrences. It corresponds to the date of the source used in identifying the data; for instance the date of field completion, the date of image taking from the earth's surface (aerial photos, satellite images or others serving to identify the data), etc. The date is expressed in the following manner: YYYY/MM. When the month is unknown, the value is (-1).

PLAN ACCY QUAL	A(1)	*A(10)	1L
	(-)	(/	

The planimetric-precision qualifier gives information on the method used for determining the accuracy of the data source.

PLAN_ACCURACY	A(1)	A(0)	11.
1 Li II Li II CCOIGICI	11(1)	11(0)	1L

Provides the planimetric precision of the source of data framed by the polygon. The precision is the degree of correspondence of the geometric data versus geodetic foundation (horizontal reference system). This value is measured in meters. Please note that the value is not very significant for the contours.

ALTI_ACCU_QUAL	A(1)	*A(10)	1L
----------------	------	--------	----

The altimetric-precision qualifier gives information on the method used for determining the accuracy of the data source.

ALTI_ACCURACY	N(3)	A(0)	1L
---------------	------	------	----

Provides the altimetric precision of the source of data framed by the polygon. The precision is the degree of correspondence of the geometric data versus the geodetic foundation (vertical reference system). This value is measured in meters.

ACTION A(16) *A(47) 1L

Data that indicates the type of work carried out within the polygon. The entry may have distinct parts separated by a point « . ».

The first part indicates the exact nature of the action carried out within the polygon. The second part indicates the NTDB theme involved. If more than one theme is involved, they are separated by a plus * + *. If the theme has only been treated partially, the smaller than sign * < * is inserted after the theme abbreviation. The third part (optional) provides additional information about the action and/or polygon contents.

IMPACT_ACT_C	A(4)	*A(52)	1L
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Data indicating if the action has been systematically performed on all of the polygon's topographic content or not.

IMPACT_ACT_P	A(4)	*A(52)	1L
--------------	------	--------	----

Data indicating if the action has enhanced planimetric precision of the polygon's topographic content or not.

POL_ED_VER	A(5)	A(0)	1L	

The edition/version of the data set to which the polygon has been added in the form ed.ver (e.g. 1.00).

Notes and remarks recorded by the team responsible for producing the data set.

END	A(30)	A(0)	1L
-----	-------	------	----

The key word END is associated to the POLYGON value to indicate the end of the group. The information group is repeated as often as there are polygons.

END	A (20)	A (O)	1 T
END	A(30)	A(0)	1L

The key word END is associated to the POLYGON_SECTION value to indicate the end of the section. This line is present after the last information group has been written.

4.5- THEME Section

The metadata associated to themes aims at providing a synthetic view of the data making up the theme. The number of themes is given by the key word NB_THEMES. These data are :

BEGIN A(30)	A(0)	1L
-------------	------	----

The key word BEGIN is associated to the THEMES_SECTION value to indicate the beginning of the section.

This field provides the number of themes included in this section.

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	BEGIN			1L
---	-------	--	--	----

The key word BEGIN is associated to the THEME value to indicate the beginning of the information group.

This field indicates the theme's name.

AVAIL_THEME	A(1)	*A(5)	1L
-------------	------	-------	----

Indicates if the theme is available. The « Y » character indicates that the theme is available while the « N » character indicates that the theme is not available.

RESOLUTION	A(6)	A(0)	1L
------------	------	------	----

This field indicates the scale of the theme's data for the data set. The resolution may vary from one theme to the other within a data set.

NB_KM	N(6)	A(0)	1L
_	\ <i>\</i>	` /	

Kilometrage corresponding to the total length of the linear entity occurrences added to the total perimeter of the theme's surficial entity occurrences.

NR POINTS	N(6)	4.00	17
NB_POINTS	N(6)	A(0)	IL

Total number of point entity occurrences in the theme.

END	A(30)	A(0)	1L

The key word END is associated to the THEME value to indicate the end of the group. The information group is repeated as often as there are themes.

END	A (20)	A (O)	11
END	A(30)	A(0)	IL

The key word END is associated to the THEMES_SECTION value to indicate the end of the section. This line is present after the last information group has been written.

END	A(30)	A(0)	1L
		` '	

The key word END is associated to the FILE value to indicate the end of the file. This is the file's last line.

5- EXAMPLE

This is an example of a metadata file **BEGIN FILE** TERRITORY_SECTION **BEGIN** NTS 031D01 DATA_SET_NAME RICE LAKE **PROVINCE** ON (Ontario) ZONE_NUMBER_1 17 ZONE_NUMBER_2 -1 PCT_OF_LAND 100 SPECIAL_LIMITS N(Normal) **END** TERRITORY_SECTION ! **BEGIN** DATA_SET_SECTION EDITION_VERSIO 2.02 NTDB_SPEC 3.1 DATE_AVAILABLE 1994/10/06 **FORMAT** CCOGIF-P3.0 IFF-BNDT-3.0 **FORMAT** UNITE_CONTOURS M(Mètre) CONTOUR_INTERV 10 CONT_AUXILIARY -1 **DIMENSION** 3D MAP_EDITION -1 **COMMENT END** DATA_SET_SECTION ! **BEGIN** INTEGRATION_SECTION N(No) NORHT_EDGE SOUTH_EDGE N(No) EAST_EDGE O (Yes) WEST_EDGE O (Yes) **END** INTEGRATION_SECTION ! **BEGIN** POLYGON_SECTION 2 NB_POLYGONS **POLYGON BEGIN**

ID_POLYGON

COORDINATES 699593 4902679 719553 4903318 739513 4904017 740526 4876249

COORDINATES 720481 4875549 700437 4874911 699593 4902679

ENTITIES P 1-1576,1589-2047

ENTITIES L 359,370-373,383,394,405,416,429,440,451,462-469,510-710,745,815

ENTITIES 910-1213,1300-1799

ENTITIES S 1-2047

SOURCE_TYPE REPRO (Reprographic material)

NAME_SOURCE 031D01-ED6 VALID_DATE 1984/-1 PLAN_ACCU_QUAL E (Estimated)

PLAN_ACCURACY 15

ALTI_ACCU_QUAL I (Unknown)

ALTI_ACCURACY -1

ACTION ACQ.COMP.SCAN (Complete acquisition of entities by scanning

IMPACT_ACT_C S (Systematic)

IMPACT_ACT_P N (No)
POL_ED_VER 2.00

COMMENT

END POLYGON

!

BEGIN POLYGON

ID_POLYGON 0002

COORDINATES 699593 4902679 719553 4903318 739513 4904017 740526 4876249

COORDINATES 720481 4875549 700437 4874911 699593 4902679

ENTITIES P 1-1576,1589-2047

ENTITIES L 359,370-373,383,394,405,416,429,440,451,462-469,510-710,745,815

ENTITIES 910-1213,1300-1799

ENTITIES S 1-2047

SOURCE_TYPE SAT

SOURCE_NAME LANDSAT-TM-MSS-XX-XX

VALID_DATE 1990/-1 PLAN_ACCU_QUAL E (Estimated)

PLAN_ACCURACY 15

ALTI_ACCU_QUAL I (Unknown)

ALTI_ACCURACY -1

ACTION CONF.(Confirmation)

IMPACT_ACT_C S (Systematic)

IMPACT_ACT_P N (No)
POL_ED_VER 2.00

COMMENT

END POLYGON

END POLYGON_SECTION ! **BEGIN** THEMES_SECTION NB_THEMES 14 ! This group will be repeat 14 times BEGIN THEME NAME VE (VEGETATION) AVAIL_THEME O(Yes) RESOLUTION 5000 NB_KM 123456 NB_POINTS 0 **END** THEME **END** THEMES_SECTION

FILE

END

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APPENDIX A - Domain values and authorized combinations

Some field must respect predefined domain values. When an entry contains more than one distinct part, the domain of each part is listed along with its authorized combinations for the entry. The domain values will evolve to better respond to the change of the production environment and then describe the phenomena we want to keep and classify.

TERRITORY Section

NTS

Any valid NTS number for Canadian territory.

PROVINCE

•	AB	Alberta

• BC British Columbia

• FR France

GL Greenland

• MB Manitoba

NB New Brunswick

• NF Newfounland

NS Nova Scotia

NT Northwest Territories

• NU Nunavut

• ON Ontario

• PE Prince Edward Island

• PQ Quebec

• SK Saskatchewan

• US United States

YT Yukon Territory

ZONE_NUMBER_1 and ZONE_NUMBER_2

Value included in -1^1 , (7,23).

SPECIAL_LIMITS

• N Normal

• S Special

 1 Generally in this document, the value -1 means that the value is unknown or the field is not applicable.

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DATA SET Section

NTDB_SPEC

- 3.0A
- 3.0B
- 3.0C
- 3.1

FORMAT

• CCOGIF-P3.0 CCOGIF format, NTDB v3.* data profile

• IFF-BNDT-3.0 IFF format, NTDB V3.* data

UNIT_CONTOURS

• M Meters

• P Foot

X Non applicable

CONTOUR_INTERV

The values are expressed in integer.

Value	Unit
-1	X
5	Meters
10	Meters
20	Foot/Meters
25	Foot
40	Foot/Meters
50	Foot/Meters
60	Meters
100	Foot/Meters
200	Foot/Meters
500	Foot

CONT_AUXILIARY

See CONTOUR_INTERV

DIMENSION

- 2D
- 3D

INTEGRATION Section

NORHT_EDGE, SOUTH_EDGE, EAST_EDGE and WEST_EDGE

O Yes N No

I Imperfect

X Not required

POLYGON Section

ENTITIES

Codes are listed separately or by range. Each code is separated by a comma. A range of codes is represented by giving the smallest and the largest code, separated by a hyphen (e.g., 1-10 means all the codes between 1 and 10, inclusive). When a range is used, one or more codes not in the NTDB can be included (e.g., 1-2047 means all possible NTDB codes, even if some of them do not exist). Codes are grouped according to geometry, with each group labeled with a letter (P,L or S), followed by a blank space. The letter must always be positioned at the beginning of the entry. Codes are listed in ascending order. All codes between 1 and 2047 must be included. When the list of codes exceeds a single line, the next line must begin without repeating the letter (P,L or S).

SOURCE_TYPE

BDN Digital data base

BNDT National topographic data base

CARTE Paper map

CT Field completion

MNE Digital Elevation model

DNEC Canadian digital elevation data
GPS Global positioning system
REPRO Reprographic material

ORTIM Ortho-image ORTPH Ortho-photo

PHA Aerial photography

SAT Satellite image

The entry source type is composed of one part, but more than one value can be repeated and separated by a plus *+ ».

Authorized combinaisons

BDN Digital data base

BDN+CARTE Digital data base and paper map

BDN+CT+GPS Digital data base with GPS and field completion

BNDT National topographic data base

CARTE Paper map

CT Field completion

CT+GPS Field completion with GPS

CT+GPS+ORTIM Ortho-image with GPS and field completion
CT+GPS+ORTPH Ortho-photo with GPS and field completion

CT+ORTIM Ortho-image with field completion
CT+ORTPH Ortho-photo with field completion

CT+PHA Aerial photography with field completion

DNEC Canadian digital elevation data
GPS Global positioning system

MNE Digital Elevation Model REPRO Reprographic material

ORTIM Ortho-image
ORTPH Ortho-photo

PHA Aerial photography
SAT Satellite image

SOURCE_NAME

First part : source type

BDTC-pp-aaaa Canadian Geographic Names Data Base where (pp) stands for province

and (aaaa) stand for the year in which the data were validated. The field may be repeated up to 4 times if several provinces are included in the

data set (CGNDB).

BNDT-nts National topographic data base where (nts) is the data set name used.
BNDT-nts-eevv National topographic data base where (nts) is the data set used :and

(eevv) stands for the edition and version of the data set.

CARTE Represents any map other than NTS maps.

DNEC-nts-eevv Canadian Digital Elevation Data where (nts) stands for the name of the

data set used and (eevv) stands for the edition and version of the data

set.

GPS Global positionning system data.

LANDSANT-TM-MSS-nn-nn Image from the Landsat satellite where (nn-nn) stands for the image

number in the Landsat classification system.

NUM Tile name and/or tile number of the data source.

PHOTOS Aerial photography.

SPOT Image from the Spot satellite.

nts-Edn Where (nts) stands for the NTS number of the paper map used and (n)

stands for the map's edition number. When the paper map represents

more than one NTS division, the NTS numbers are listed.

Second part : Source provenance (this optional part is only use with the values CARTE, NUM and PHOTOS). This second part can be repeated when the source has more than one origin, the different origins are then listed ans separated by a plus * + *.

AB Alberta

BC British Columbia

MB Manitoba

NB New Brunswick
NF Newfoundland
NS Nova Scotia

NT North West Territories

NU Nunavut ON Ontario

PE Prince Edward Island

PQ Quebec

RNCAN Natural Ressources Canada

SK Saskatchewan YT Yukon Territory

Authorized combinations

nts-EDn1

BDTC-pp-aaaa²

BDNT-nts

CARTE.prov³

GPS

LANDSAT-TM-MSS-nn-nn

LANDSAT-TM-MSS-XX-XX

NUM.prov³

PHOTOS.prov³

SPOT

PLAN_ACCURACY and ALTI_ACCURACY

An integer value, which is contained in the domain: -1(1,999).

PLANI_ACCU_QUAL and ALTI_ACCU_QUAL

• C Calculated

• E Estimated

• I Unknown

Note: When the accuracy qualifier is I(unknown), the corresponding ACCURACY value is always -1.

ACTION

Part one : Type of Action carried out
ACQ Acquisition of entities
CONF Confirmation of contents
GEN Generalization of entities

REH Planimetric enhancement of entities

REV Updating of entities

Part two: Theme affected by the Action COMP

All polygon entities

PART Part of the polygon entities

Note: All THEME section values are also possible.

¹ If the paper map contains more than one data set (map extrusion); we must enumerate each paper map and separate them with a plus * + * (ex. : 021E05-ED4+021E06-ED4).

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² If more than one province is present in the polygon, we repeat the field (pp-aaa) for each province (maximum 4 times) and separate them with a plus + (ex. : BDTC-PQ-1987+ON-1990).

³ If the source of a polygon has more than one origin, we must enumerate each origin and separate them with a plus « + » (ex. : NUM.NB+PQ).

Part three: Additional information on the action and/or on the content (this part is optional)

ANA Analog

MAN Manual digitization

MONO Monoscopie digitization

SCAN Scanning

STER Stereodigitization

Authorized combinations

ACQ.COMP.MAN Complete acquisition of entities by manual digitizing

ACQ.COMP.SCAN Complete acquisition of entities by scanning

• ACQ.COMP.STER Complete acquisition of entities by stereodigitization

• ACQ.COMP.MONO Complete acquisition of entities by monoscopie

ACQ.RR Acquisition of road nework
 ACQ.TO Acquisition of toponymy
 REV.HP Updating of hypsography
 CONF.PART Patial confirmation of contents

• REH.COMP Complete planimetric content enhancement

REV.COMP Complete updating of entities

REV.PART.ANA Partial analog updating
 REV.RR Updating of road network

IMPACT_ACTION.C

S SystematicP Sporadic

IMPACT_ACTION_P

• O Yes N No

THEME Section

NAME

- AD Designated Area
- CH Roads
- CO Mammade Features
- FO Relief and Landform
- GE General
- HD Hydrography
- HP Hypsography
- LA Administrative Boundaries
- TO Toponymy
- RE Power network
- RF Rail network
- RR Road network
- SS Water saturated soils
- VE Vegetation

AVAIL_THEME

- O Yes
- N No

RESOLUTION

- 50000
- 250000
- -1

Note: When the theme is not available (THEME_DISPO=N), the corresponding resolution value is -1.