



Digital Polling Division  
Boundary Files

**Technical Guide**

December 2005

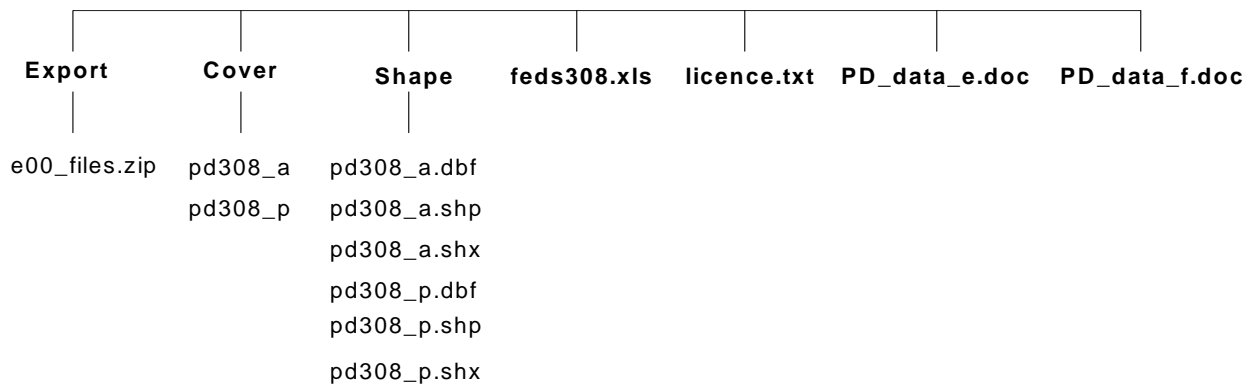
## **Introduction**

The digital polling division boundary files provided on the CD-ROM are made available from Elections Canada. The CD-ROM contains the digital federal electoral districts under the Representation Order of 2003. The files do not include the underlying geographic base map information (National Geographic Database. e.g.: roads, hydrography, etc.).

## CD-ROM Content

| Directory     | Description  |
|---------------|--|
| Cover         | Directory containing digital data in Arc/Info Cover format.  |
| Export        | Directory containing digital data in Arc/Info Export format. |
| Shape         | Directory containing digital data in ESRI Shape format.      |
| feds308.xls   | List of federal electoral districts codes and names.         |
| licence.txt   | Limited data product license agreement.                      |
| PD_data_e.doc | User guide (CD-ROM content and description). (English)       |
| PD_data_f.doc | User guide (CD-ROM content and description). (French)        |

## CD-ROM Directory Structure



## Database Specifications

### General

|                       |                     |
|-----------------------|---------------------|
| Arc/Info file format: | Version 8 compliant |
| Precision:            | DOUBLE PRECISION    |
| Datum:                | NAD83 CNT           |
| Projection:           | LAMBERT CONFORMAL   |
| Spheroid:             | GRS 1980            |
| Units:                | METERS              |

### Projection Parameters

|                                  |               |
|----------------------------------|---------------|
| 1st standard parallel:           | 49 0 0.000    |
| 2nd standard parallel:           | 77 0 0.000    |
| Central meridian:                | -91 52 0.000  |
| Latitude of projection's origin: | 63 23 26.430  |
| False easting (meters):          | 6200000.00000 |
| False northing (meters):         | 3000000.00000 |

### Tolerance values

|         |       |
|---------|-------|
| Fuzzy:  | 0.003 |
| Dangle: | 0.000 |

## Schema details

### Polling Division Boundaries

|                        |                             |
|------------------------|-----------------------------|
| Layer Name:            | <b>PD308_A</b>              |
| Layer Description:     | Polling division boundaries |
| Layer Feature Type(s): | Polygons                    |

### Layer Feature Type(s)

| Type       | Present | Subclass Name |
|------------|---------|---------------|
| POINT      | N       | NA            |
| LINE       | N       | NA            |
| POLY       | Y       | NA            |
| NODE       | N       | NA            |
| ROUTE      | N       |               |
| REGION     | N       |               |
| ANNOTATION | N       |               |

### Table Descriptions

|                    |  |
|--------------------|--|
| Table Name:        | <b>PD308_A.PAT</b>                         |
| Table Description: | Table containing the PD polygon attributes |
| Table Location:    | INFO directory                             |
| Related Table(s):  | None                                       |

### Table Definition

| COLUMN | ITEM NAME         | WIDT<br>H | OUTPUT | TYPE | N.DEC | ALTER<br>NAME | INDEXED |
|--------|-------------------|-----------|--------|------|-------|---------------|---------|
| 1      | <b>AREA</b>       | 8         | 18     | F    | 5     |               | -       |
| 9      | <b>PERIMETER</b>  | 8         | 18     | F    | 5     |               | -       |
| 17     | <b>PD308_A#</b>   | 4         | 5      | B    |       |               | -       |
| 21     | <b>PD308_A-ID</b> | 4         | 5      | B    |       |               | -       |
| 25     | <b>PD_NUM</b>     | 4         | 10     | B    |       |               | -       |
| 29     | <b>PD_NBR_SFX</b> | 6         | 6      | C    |       |               | -       |
| 35     | <b>PD_TYPE</b>    | 1         | 1      | C    |       |               |         |
| 36     | <b>ADV_POLL</b>   | 3         | 3      | C    |       |               |         |
| 39     | <b>FED_NUM</b>    | 4         | 10     | B    |       |               |         |

### Attribute Definition

| ITEM NAME         | DESCRIPTION  |
|-------------------|--|
| <b>PD_NUM</b>     | Polling Division number (e.g. 126).  |
| <b>PD_NBR_SFX</b> | Polling Division number suffix (e.g. 2). Can be blank.   |
| <b>PD_TYPE</b>    | Single letter indicating the Polling Division type. Allowable values are "N" for normal, "S" for single building PD, and "M" for mobile polls. |
| <b>ADV_POLL</b>   | Advanced poll number (e.g. 608).   |
| <b>FED_NUM</b>    | Federal Electoral District number (e.g. 35061).  |

## Polling Division Locations

|                        |                            |
|------------------------|----------------------------|
| Layer Name:            | <b>PD308_P</b>             |
| Layer Description:     | Polling division locations |
| Layer Feature Type(s): | Points                     |

### Layer Feature Type(s)

| Type       | Present | Subclass Name |
|------------|---------|---------------|
| POINT      | Y       | NA            |
| LINE       | N       | NA            |
| POLY       | N       | NA            |
| NODE       | N       | NA            |
| ROUTE      | N       |               |
| REGION     | N       |               |
| ANNOTATION | N       |               |

### Table Descriptions

|                    |  |
|--------------------|--|
| Table Name:        | <b>PD308_P.PAT</b>                       |
| Table Description: | Table containing the PD point attributes |
| Table Location:    | INFO directory                           |
| Related Table(s):  | None                                     |

### Table Definition

| COLUMN | ITEM NAME         | WIDT<br>H | OUTPUT | TYPE | N.DEC | ALTER<br>NAME | INDEXED |
|--------|-------------------|-----------|--------|------|-------|---------------|---------|
| 1      | <b>AREA</b>       | 4         | 12     | F    | 5     |               | -       |
| 9      | <b>PERIMETER</b>  | 4         | 12     | F    | 5     |               | -       |
| 17     | <b>PD308_P#</b>   | 4         | 5      | B    |       |               | -       |
| 21     | <b>PD308_P-ID</b> | 4         | 5      | B    |       |               | -       |
| 25     | <b>PD_NUM</b>     | 8         | 9      | F    | 0     |               | -       |
| 29     | <b>PD_NBR_SFX</b> | 6         | 6      | C    |       |               | -       |
| 35     | <b>PD_TYPE</b>    | 1         | 1      | C    |       |               |         |
| 36     | <b>ADV_POLL</b>   | 3         | 3      | C    |       |               |         |
| 39     | <b>FED_NUM</b>    | 4         | 10     | B    |       |               |         |

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