

Nova Scotia Profile of FGDC Metadata Standard

1 SECTION 1: IDENTIFICATION INFORMATION

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Basic information about the data set. The fields for "Identification Information" are found throughout Section 1, and include "Citation" (1.1) and "Abstract" (1.2.1). Data capture for Citation (1.1) occurs in Section 8: Citation Information.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	1 (Identification Information) = 1.1 + 1.2 + 1.3 + 1.4 + 1.5 + 1.6 + 1.7 + 1.8 + 1.9 + 1.10 + 1.11 + 1.13 + 1.14 + 1.15						
<i>Examples:</i>	<i>N/A</i> <i>(Note: "N/A" in this context means that examples are "not applicable" to compound elements, because compound elements are titles of sections or subsections in the metadata standard)</i>						
<i>FAQ/Notes:</i>	FAQ: Do I populate the Identification Information element with anything? A: No. Identification Information is a compound element, which means it is a title, as opposed to something to be "filled-in". This is true of all compound elements. The only elements that can be populated are the data elements. The Nova Scotia Metadata Standard is organized in a hierarchal format, by Section Titles, Compound Elements, and Data Elements. FAQ: Which data elements apply to Identification Information? A: All data elements in Section 1: Identification Information, as well as data elements from other Sections that are referenced.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Identification Information</td><td>1</td><td>idinfo</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Identification Information	1	idinfo
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Identification Information	1	idinfo					

1.1 Citation

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The complete set of information (including "Title" (8.4), "Department, Division, Branch" (8.1), "Publication Date" (8.2), etc.), used to reference the data set. The data fields for "Citation" are found in Section 8: Citation Information.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	1.1 (Citation) = Citation Information (see Section 8)						
<i>Examples:</i>	<i>N/A</i>						
<i>FAQ/Notes:</i>	FAQ: Where are the data elements for Citation? A: These data elements appear in Section 8: Citation Information. FAQ: Why are the data elements for Citation Information in another section? A: Some data elements are required by several sections. These data elements are noted in a separate section to ensure they are easily accessible by all elements.						
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<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Citation	1.1	citation					

1.2 Description

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	A characterization of the data set, including its intended use and limitations. Description is created by populating "Abstract" (1.2.1) and "Purpose" (1.2.2).						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	1.2 (Description) = 1.2.1 + 1.2.2						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>	FAQ: What are the data elements for Description (how do I create a Description of my data set)? A: The data elements required to create a Description are Abstract and Purpose.						
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<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Description	1.2	descript					

1.2.1 Abstract

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	A brief narrative summary of the data set, including a description of what it is, how/why it was created, and how many products (maps, reports, layers, etc.) it contains. This field has a free text domain.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>	<p><i>(Digital example) In consultation with coastal mapping users throughout the Province, the Nova Scotia Geomatics Centre (NSGC) embarked upon the creation of a Nova Scotia Topographic Database (NSTDB) 1:50000 Coastal Series mapping program in fiscal 1997/98.</i></p> <p><i>(From "1:50000 Coastal Series, Nova Scotia, Canada" - herein referred to as "Coastal")</i></p> <p><i>(Hardcopy example) The Province of Nova Scotia maintains a film archive of over 600,000 recent and historical vertical aerial photographs covering the entire province (1:10000 scale colour and 1:35000 / 1:40000 black and white).</i></p> <p><i>(From: "Nova Scotia Aerial Photograph Archive, Canada" - SNSMR - NSGC)</i></p>						
<i>FAQ/Notes:</i>	FAQ: How much information should be included in the Abstract? A: As much or as little information as is believed to be necessary to accurately describe the data set. Usually a paragraph or two is sufficient. Generally, if metadata is generated early on in the creation of a data set, the Abstract may be more extensive. This is because more information is usually known about a data set early on in its development, as opposed to once it is complete or a few years after it was created.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Abstract</td><td>1.2.1</td><td>abstract</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Abstract	1.2.1	abstract
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Abstract	1.2.1	abstract					

1.2.2 Purpose

Mandatory or Optional: mandatory

Definition: A summary of the original intentions with which the data set was developed. The "Purpose" field of your metadata record should answer the question:
"What is the original intended use of the data set?"
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: *The 1:50000 Coastal Series is intended to support coastal resource mapping applications only. It is NOT intended for navigation purposes.
(From "Coastal")*

*Other example: To provide Wildlife Export Permits and policy for their use in order to provide the legal mechanism for export to occur and to gather annual statistics relative to numbers and parts exported.
(From "Furbearers and Upland Game Program: Export Permits, Nova Scotia, Canada - FoxPro Database" - DNR Wildlife)*

FAQ/Notes: FAQ: My dataset is used for many purposes. How many purposes should be listed and how do I determine which to include in the metadata?
A: The original, intended purpose of the data set should be included in the Purpose. However, if the data set is used for many other purposes, you may choose to list those as well. A Purpose statement may be as broad or as detailed as you choose.

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Purpose	1.2.2	purpose

1.2.3 Supplemental Identification Information

Mandatory or Optional: optional

Definition: Additional descriptive information about the data set.
This field has a free text domain.

Other Title(s):

OM, Topo, Ortho:
Display Scale

Aerial:
Flight Line;
Centre Point - Source;
Rotation Angle;
Scanner ID Name;
Scanner Serial Number;
Number of Bits Per Channel;
Scanning Resolution

Field Type: Data

Production Rules or Domain Values: free text

Examples: *Supplemental Information for Scanned Aerial Photography Record for Aerial Photo 95012-42*
Flight Line: L-3
Centre Point - Source: GPS
Rotation Angle: 359.063261
Scanner ID Name: 1680 Professional FireWire Color Scanner
Scanner Serial Number: # E1680-PROFWR
Number of Bits Per Channel: 8
Scanning Resolution: 1200 ppi

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Supplemental Information	1.2.3	supplinf

1.3 Time Period of Content

Mandatory or Optional: mandatory

Definition: The dates in which the data set was created or collected. It is qualified by the "Currentness Reference" (1.3.1).

If the "Currentness Reference" (1.3.1) refers to "data capture dates", then "Time Period of Content" should state the dates of data collection.

If the "Currentness Reference" (1.3.1) refers to "product publication dates", then "Time Period of Content" should contain the dates during which the data set was created.

Field Type: Compound

Production Rules or Domain Values: 1.3 (Time Period of Content) =
Time Period Information (see Section 9) + 1.3.1

Examples: N/A

FAQ/Notes: FAQ: Where are the data elements for Time Period of Content?
A: These data elements appear in Section 9: Time Period Information.

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Time Period of Content	1.3	timeperd

1.3.1 Currentness Reference

Mandatory or Optional: mandatory

Definition: The context for the "Time Period of Content" (1.3). This field has a domain of: "data capture date(s)", or "product publication date(s)", and a free text option.

If the date(s) in "Time Period of Content" (1.3) refer to the date of the source data, then use "data capture dates" to populate this field.

If the date(s) in "Time Period of Content" (1.3) refer to the date the data set was published, then use "product publication dates" to populate this field.

Field Type: Data

Production Rules or Domain Values: "data capture date(s)"
"product publication date(s)"
or free text

Examples: *The orthophotograph was created July 28, 2005 (product publication date) and the photography used to create the orthophoto was flown in May, 2005 (data capture date).*

FAQ/Notes: FAQ: The original, raw data was captured in the field by a student in December 1999. However, my data set was created in January 2001 - February 2002. I am entering January 2001 - February 2002 as the Time Period of Content. What should I note as the Currentness Reference?
A: In this case, the Currentness Reference should be publication date. If you entered the Time Period of Content as December 1999, you would enter data capture date as the Currentness Reference.

FAQ: I am familiar with the FGDC Content Standard for Digital Geospatial Metadata (CSDGM). I notice that their domain values for Currentness Reference are "ground condition" and "publication date". What, if any, is the correlation between the NS domain values ("data capture date(s)" "publication date(s)") and the FGDC domain values.
A: Simply put, "data capture date(s)" is the same as "ground condition" and "publication date(s)" is the same as "publication date".

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Currentness Reference	1.3.1	current

1.4 Status

Mandatory or Optional: mandatory

Definition: Information on the progress and maintenance and/or update frequency of the data set.

Field Type: Compound

Production Rules or Domain Values: 1.4 (Status) =
1.4.1 + 1.4.2

Examples: N/A

FAQ/Notes: FAQ: Where are the data elements for Status?
A: These data elements are Progress and Maintenance and Update Frequency.

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Status	1.4	status

1.4.1 Progress

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The status of the data set. This field has a domain of: "Complete", "In Work", "Planned", and a free text option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"Complete" "In work" "Planned" or free text						
<i>Examples:</i>	<i>In work (From "Coastal")</i>						
<i>FAQ/Notes:</i>	FAQ: My data set is being developed, with an anticipated start date of a year from now. What should I enter as the Progress of the data set? A: The Progress of your particular data set is "Planned". You may wish to enter information regarding a potential start date in the element Abstract.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Progress</td><td>1.4.1</td><td>progress</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Progress	1.4.1	progress
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Progress	1.4.1	progress					

1.4.2 Maintenance and Update Frequency

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The frequency with which changes and additions are made to the data set after the initial data set is completed. This field has a domain of: "Continually", "Daily", "Weekly", "Monthly", "Annually", "Unknown", "As needed", "Irregular", "None planned", and a free text option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"Continually" "Daily" "Weekly" "Monthly" "Annually" "Unknown" "As needed" "Irregular" "None planned" or free text						
<i>Examples:</i>	<i>Unknown (From "Coastal")</i> <i>Other examples:</i> <i>2005 update planned. (From "1:150000 Nova Scotia Atlas, Canada - Book")</i> <i>Exports take place all year and data is tallied using August 1 to July 31 as an annual cycle. Computer reports are generated annually and kept on file at the Wildlife Division. (From "Furbearers and Upland Game Program: Export Permits, Nova Scotia, Canada - FoxPro Database" - DNR Wildlife)</i>						
<i>FAQ/Notes:</i>	FAQ: I update my data set as new information becomes available. What should I enter as the Maintenance and Update Frequency? A: "As needed" is the most simple answer. If you choose, you may enter more information regarding how often new information generally becomes available, although this is not necessary. The more information you enter into your metadata records, the less information you will have to repeat on an individual basis.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Maintenance and Update Frequency</td><td>1.4.2</td><td>update</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Maintenance and Update Frequency	1.4.2	update
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Maintenance and Update Frequency	1.4.2	update					

1.5 Geographic Information

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The geographic extent of the data set, expressed as a bounding box extent. Data fields are found in "Bounding Coordinates" (1.5.1).						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	1.5 (Spatial Domain) = 1.5.1						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>	FAQ: Where are the data elements for Spatial Domain? A: These data elements are found in Bounding Coordinates, and they are: West, East, North, and South Bounding Coordinates (expressed by latitude and longitude).						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Spatial Domain</td><td>1.5</td><td>spdom</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Spatial Domain	1.5	spdom
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Spatial Domain	1.5	spdom					

1.5.1 Bounding Coordinates

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The limits of coverage of a data set expressed by latitude and longitude values in the order Western-most (1.5.1.1), Eastern-most (1.5.1.2), Northern-most (1.5.1.3), and Southern-most (1.5.1.4).						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	1.5.1 (Bounding Coordinates) = 1.5.1.1 + 1.5.1.2 + 1.5.1.3 + 1.5.1.4						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>	FAQ: Where are the data elements for Spatial Domain? A: These data elements are: West, East, North, and South Bounding Coordinates (expressed by latitude and longitude). FAQ: Can I express the bounding coordinates as a circle, or other polygon? A: Although the FGDC CSDGM allows for this type of expression (referred to as a "Data Set G Polygon"), the NS Standard removed those elements due to lack of capacity in the edit tool, and lack of expressed interest from data custodians for this type of spatial information.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Bounding Coordinates</td><td>1.5.1</td><td>bounding</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Bounding Coordinates	1.5.1	bounding
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Bounding Coordinates	1.5.1	bounding					

1.5.1.1 West

<i>Mandatory or Optional:</i>	mandatory		
<i>Definition:</i>	Western-most coordinate of the limit of coverage expressed in longitude. If coverage is Nova Scotia, enter "-66.3".		
	Other Title(s):		
	Aerial: Centre Point - Longitude		
<i>Field Type:</i>	Data		
<i>Production Rules or Domain Values:</i>	"-66.3" (N.S. default) or decimal degrees		
<i>Examples:</i>	-67 (From "Coastal")		
<i>FAQ/Notes:</i>			
<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	West Bounding Coordinate	1.5.1.1	westbc

1.5.1.2 East

<i>Mandatory or Optional:</i>	mandatory		
<i>Definition:</i>	Eastern-most coordinate of the limit of coverage expressed in longitude. If coverage is Nova Scotia, enter "-59.5".		
	Other Title(s):		
	Aerial: Centre Point - Longitude		
<i>Field Type:</i>	Data		
<i>Production Rules or Domain Values:</i>	"-59.5" (N.S. default) or decimal degrees		
<i>Examples:</i>	-59 (From "Coastal")		
<i>FAQ/Notes:</i>			
<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	East Bounding Coordinate	1.5.1.2	eastbc

1.5.1.3 North

Mandatory or Optional: mandatory

Definition: Northern-most coordinate of the limit of coverage expressed in latitude. If coverage is Nova Scotia, enter "47".

Other Title(s):

Aerial:
Centre Point - Latitude

Field Type: Data

Production Rules or Domain Values: "47" (N.S. default)
or decimal degrees

Examples: 47.25 (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	North Bounding Coordinate	1.5.1.3	northbc

1.5.1.4 South

Mandatory or Optional: mandatory

Definition: Southern-most coordinate of the limit of coverage expressed in latitude. If coverage is Nova Scotia, enter "43".

Other Title(s):

Aerial:
Centre Point - Latitude

Field Type: Data

Production Rules or Domain Values: "43" (N.S. default)
or decimal degrees

Examples: 43 (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	South Bounding Coordinate	1.5.1.4	southbc

1.6 Keywords

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Common-use and/or scientific words or phrases summarizing the most prominent subject(s) and/or geographic location(s) covered by the data set.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	1.6 (Keywords) = 1.6.1 + 1.6.2						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>	FAQ: What is the purpose of the keywords? A: A keyword is word or phrase that signifies the meaning or main ideas of a data set. Keywords all the user to search and find a document based upon a particular theme or place. They often are used as an index to the contents of a data set. The standard provides for two types of keywords: theme (the subject of the data set, such as wetlands, vegetation, etc.), and place (the geographic location of the data set, such as Annapolis County, Nova Scotia, Canada).						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Keywords</td><td>1.6</td><td>keywords</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Keywords	1.6	keywords
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Keywords	1.6	keywords					

1.6.1 Theme

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Subjects covered by the data set. This compound element is composed of "Theme Keyword Thesaurus" (1.6.1.1) and "Theme Keyword" (1.6.1.2).						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	1.6.1 (Theme) = 1.6.1.1 + 1.6.1.2						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>	FAQ: Where are the data elements for Theme? A: These data elements are: Theme Keyword Thesaurus and Theme Keyword.						
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<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Theme	1.6.1	theme					

1.6.1.1 Theme Keyword Thesaurus

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Reference to a formally registered thesaurus or a similar authoritative source of theme keywords, such as the "Nova Scotia Geographic Names Database".						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"None" "Global Change Master Directory (GCMD)" or free text						
<i>Examples:</i>	<i>Theme Keyword Thesaurus: GCMD - GeoConnections Discovery Portal's (From "Coastal")</i>						
<i>FAQ/Notes:</i>	FAQ: When I am adding/editing a metadata record to the Portal, if I add my own keyword do I have to note the thesaurus the keyword was taken from? A: If your organization has a theme keyword list that is different from the one in use in the GeoNOVA Portal, please note the thesaurus in your metadata record(s) and inform the metadata portal administrator about your thesaurus so that we may add it to our database.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Theme Keyword Thesaurus</td><td>1.6.1.1</td><td>themekt</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Theme Keyword Thesaurus	1.6.1.1	themekt
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Theme Keyword Thesaurus	1.6.1.1	themekt					

1.6.1.2 Theme Keyword

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Common-use or scientific word or phrase used to describe the subject of the data set.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>	<i>Theme Keyword: Earth Science > Oceans > Coastal Processes > Shorelines (From "Coastal")</i> <i>Theme Keyword: COAST (From "Coastal")</i>						
<i>FAQ/Notes:</i>	FAQ: How does Theme Keyword differ from Keyword? A: Theme Keyword is a data element, meaning it is a element that requires data entry. Keyword is a compound element, meaning it is the title of the section, Keywords, and therefore does not require data entry.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Theme Keyword</td><td>1.6.1.2</td><td>themekey</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Theme Keyword	1.6.1.2	themekey
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Theme Keyword	1.6.1.2	themekey					

1.6.2 Place

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Communities, GSAs, counties, and NTS sheet (numbers and names) represented by the data set.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	1.6.2 (Place) = 1.6.2.1 + 1.6.2.2						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>	FAQ: Where are the data elements for Place? A: These data elements are: Place Keyword Thesaurus and Place Keyword.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Place</td><td>1.6.2</td><td>place</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Place	1.6.2	place
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Place	1.6.2	place					

1.6.2.1 Place Keyword Thesaurus

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Reference to a formally registered thesaurus or a similar authoritative source of place keywords. GeoConnections refers to the Global Change Master Directory (GCMD) for a list of keywords. This field has a domain of: "None", "Geographic Names Information System", "Global Change Master Directory (GCMD)", and a free text option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"None" "Geographic Names Information System" "Global Change Master Directory (GCMD)" or free text						
<i>Examples:</i>	<i>Place Keyword Thesaurus: GCMD - GeoConnections Discovery Portal's (From "Coastal")</i> <i>Place Keyword Thesaurus: Nova Scotia's Place Keyword Thesaurus: Nova Scotia Geographic Names Index</i>						
<i>FAQ/Notes:</i>	FAQ: When I am adding/editing a metadata record to the Portal, if I add my own keyword do I have to note the thesaurus the keyword was taken from? A: If your organization has a place keyword list that is different from the one in use in the GeoNOVA Portal, please note the thesaurus in your metadata record(s) and inform the metadata portal administrator about your thesaurus so that we may add it to our database.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Place Keyword Thesaurus</td><td>1.6.2.1</td><td>placekt</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Place Keyword Thesaurus	1.6.2.1	placekt
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Place Keyword Thesaurus	1.6.2.1	placekt					

1.6.2.2 Place Keyword

Mandatory or Optional: mandatory

Definition: The place name of a location covered by a data set. Include reference(s) to counties, GSAs (General Service Area), communities, NTS Sheet numbers/names, and province name.
This field has a domain of: "Nova Scotia", "Atlantic Canada", "Canada", and a free text option.

Other Title(s):

OM, Topo, Ortho, Aerial:
Keyword: NTS Sheet Number;
Keyword: NTS Sheet Name;
Keyword: GSA or Community Name;
Keyword: County Name(s);
Keyword: Province Name

Field Type: Data

Production Rules or Domain Values: "Nova Scotia"
"Atlantic Canada"
"Canada"
or free text

Examples: *Nova Scotia, Canada (From "Coastal")*

FAQ/Notes: FAQ: How does Place Keyword differ from Keyword?
A: Place Keyword is a data element, meaning it is a element that requires data entry. Keyword is a compound element, meaning it is the title of the section, Keywords, and therefore does not require data entry.

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Place Keyword	1.6.2.2	placekey

1.7 Access Constraints

Mandatory or Optional: mandatory

Definition: Legal and internal restrictions and prerequisites for accessing the data set. Includes access constraints surrounding protection of privacy.
This field has a domain of: "None", "Approval from Management required", "Access by valid request only", "FOIPOP may apply", "FOIPOP applies", "Access constraints exist", "Access constraints exist because data is part of thesis in progress", and a free text option.
"Access constraints exist. Contact distributor for more information"
"Access constraints because of partnership. Contact distributor for more information"

Field Type: Data

Production Rules or Domain Values: "None"
"Approval from Management required"
"Access by valid request only"
"FOIPOP may apply"
"FOIPOP applies"
"Access constraints exist"
"Access constraints exist because data is part of thesis in progress"
"Access constraints exist. Contact distributor for more information"
"Access constraints because of partnership. Contact distributor for more information"
or free text

Examples: *Required to enter into a license agreement for access to the data. (From "Coastal")*

Other examples:

Approval from Division management required. Access by valid request only. (From "Furbearers and Upland Game Program: Export Permits, Nova Scotia, Canada - FoxPro Database" - DNR Wildlife)

Data is subject to the GeoBase Unrestricted Use License Agreement (<http://www.geobase.ca - Data/Access/License section>). (From: "Landsat 7 Orthorectified Imagery over Canada")

FAQ/Notes: FAQ: What types of constraints are to be provided for Access Constraints and Use Constraints?
A: The types of constraints intended are those applied to ensure rights of privacy or intellectual property, and any other special restrictions, limitations, or warranties on obtaining or using the information resources, or its component products. Recommendations on the types of uses to which the data set may or may not be applied should be described in the "Purpose" data element. Constraints related to data quality should be provided using the elements in Section 2: Data Quality.

FAQ: What is the difference between Access Constraints and Use Constraints?
A: Access Constraints provide information about who may or may not be provided access to the dataset described by the metadata, whereas Use Constraints provide information about what an individual may or may not do with a dataset once it has been obtained from the distributor.

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Access Constraints	1.7	acconst

1.8 Use Constraints

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Restrictions and legal prerequisites for using the data set after access is granted. These include any use constraints applied to assure the protection of privacy or intellectual property, and any special restrictions or limitations on using the data set. This field has a domain of: "None", "For research purposes and in-house planning and management", "For in-house financial management and planning", and a free text option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"None" "For research purposes and in-house planning and management" "For in-house financial management and planning" or free text						
<i>Examples:</i>	<i>As per license agreement and use of the DATA to identify and/or solicit individuals or organizations for purposes not related to property transactions or the management of resources located on the property(s), is strictly prohibited. (From "Coastal")</i> <i>Other example:</i> <i>Enforcement use by Nova Scotia Department of Natural Resources, Renewable Resources Branch, Wildlife Division only. (From "Furbearers and Upland Game Program: Export Permits, Nova Scotia, Canada - FoxPro Database" - DNR Wildlife)</i>						
<i>FAQ/Notes:</i>	FAQ: What types of constraints are to be provided for Access Constraints and Use Constraints? A: The types of constraints intended are those applied to ensure rights of privacy or intellectual property, and any other special restrictions, limitations, or warranties on obtaining or using the information resources, or its component products. Recommendations on the types of uses to which the data set may or may not be applied should be described in the "Purpose" data element. Constraints related to data quality should be provided using the elements in Section 2: Data Quality. FAQ: What is the difference between Access Constraints and Use Constraints? A: Access Constraints provide information about who may or may not be provided access to the dataset described by the metadata, whereas Use Constraints provide information about what an individual may or may not do with a dataset once it has been obtained from the distributor.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Use Constraints</td><td>1.8</td><td>useconst</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Use Constraints	1.8	useconst
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Use Constraints	1.8	useconst					

1.9 Technical Contact

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Contact information for an individual or organization that is knowledgeable about the data set. Data fields appear in Section 10: Contact Information.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	1.9 (Point of Contact) = Contact Information (see Section 10)						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>	FAQ: Where are the data elements for the "Point of Contact" element? A: Because the "Point of Contact" elements are required by another section, the elements were grouped in Section 10 - Contact Information.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Point of Contact</td><td>1.9</td><td>ptcontac</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Point of Contact	1.9	ptcontac
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Point of Contact	1.9	ptcontac					

1.10 Browse Graphic

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	A graphic that provides an illustration of the data set. The graphic may include a legend for interpreting the graphic, and is usually available on the web. Data fields are "Browse Graphic File Name" (1.10.1), "Description" (1.10.2), and "File Extension" (1.10.3).						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	1.10 (Browse Graphic) = 1.10.1 + 1.10.2 + 1.10.3						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>	FAQ: What is the purpose of a browse graphic? A: A browse graphic is an image of the data set. The image allows prospective users to move beyond textual descriptions and see what the data set looks like. The image might show a simple display of the data set, the results of an application that used the data set, different aspects of the quality of the data set, or other information.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Browse Graphic</td><td>1.10</td><td>browse</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Browse Graphic	1.10	browse
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Browse Graphic	1.10	browse					

1.10.1 Browse Graphic File Name

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Location and name of a related graphic file that provides an illustration of the data set. Entries should usually follow the Uniform Resource Locator (URL) convention of the Internet (http://... or ftp://...).						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	URL format: http://... or ftp://...						
<i>Examples:</i>	http://www.gov.ns.ca/snsnmr/land/images/Coastal50kSample.gif (From "Coastal")						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Browse Graphic File Name</td><td>1.10.1</td><td>browsen</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Browse Graphic File Name	1.10.1	browsen
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Browse Graphic File Name	1.10.1	browsen					

1.10.2 Description

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	A text description of the illustration.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>	<i>Coastal Series Map Sample (in gif format) (From "Coastal")</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Browse Graphic File Description</td><td>1.10.2</td><td>browsed</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Browse Graphic File Description	1.10.2	browsed
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Browse Graphic File Description	1.10.2	browsed					

1.10.3 File Extension

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	File format of the graphic file. This field has a domain of: "EPS", "GIF", "JPEG", "PS", "TIFF", "WMF", "PDF", and a free text option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"EPS" "GIF" "JPEG" "PS" "TIFF" "WMF" "PDF" or free text						
<i>Examples:</i>	<i>GIF (From "Coastal")</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Browse Graphic File Type</td><td>1.10.3</td><td>browset</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Browse Graphic File Type	1.10.3	browset
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Browse Graphic File Type	1.10.3	browset					

1.13 File Location

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	A description of the data set, in terms of the name of the software (including version), the computer operating system, file name (including host-, path-, and filenames), and the data set size - for digital data sets this is expressed in kilobytes, megabytes, or gigabytes. This field has a free text domain.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>	<i>Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 2; ESRI ArcCatalog 8.4.0.1 (From: "River Restoration Data in Lamoille County, Vermont")</i> <i>http://edcw2ks15.cr.usgs.gov/servlet/FGDCServlet/retrieve?pn=16&el=F&db=current&rp=3&mr=1&ac=current&cid=157&rsx=HTML</i>						
<i>FAQ/Notes:</i>	FAQ: What is the data set is not digital, such as a collection of paper (hardcopy) maps? A: Hardcopy data sets may be described by physical location, and number of products in the collection.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Native Data Set Environment</td><td>1.13</td><td>native</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Native Data Set Environment	1.13	native
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Native Data Set Environment	1.13	native					

1.14 Related Dataset(s)

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	Information about other related data sets that are likely to be of interest. The data fields for "Related Dataset(s)" are found in Section 8: Citation Information.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	1.14 (Cross Reference) = Citation Information (see Section 8)						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Cross Reference</td><td>1.14</td><td>crossref</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Cross Reference	1.14	crossref
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Cross Reference	1.14	crossref					

1.15-RS Channel Identification

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	Complete information to identify instrument wavelengths or other bands.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	1.15-RS (Band Identification) = 1.15.1-RS						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Band Identification</td><td>1.15-RS</td><td>bandidnt</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Band Identification	1.15-RS	bandidnt
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Band Identification	1.15-RS	bandidnt					

1.15.1-RS Number of Image Channels53600

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	<p>In the context of scanning, image channels are a range of measured wavelengths of energy, or portion of a frequency spectrum. Commonly related to a specific colour range.</p> <p>For example, all red data might be stored in a red band. RGB images contain three bands - red, green, and blue. Also referred to as Image Band.</p> <p>This field has a numeric value option.</p>						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	numeric value						
<i>Examples:</i>	1 image channel						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Number of Bands</td><td>1.15.1-RS</td><td>numbands</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Number of Bands	1.15.1-RS	numbands
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Number of Bands	1.15.1-RS	numbands					

1.11 Data Set Credit

Mandatory or Optional: optional

Definition: Name of the organization responsible for production and/or quality control of deliverables for a project. If contractor, indicate contractor's name and address. If in-house, indicate department, division, branch. This field has a free text domain.

Other Title(s):

OM:
Map Producer

Topo:
Revision Contact

Ortho:
Orthophoto Producer

Aerial:
Scanning Production Group;
QC Inspection Group

Field Type: Data

Production Rules or Domain Values: free text

Examples: *Orthophoto Producer: Atlantic Air Survey Ltd., 199 Ritcey Crescent, Dartmouth, Nova Scotia B2W 6J9*

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Data Set Credit	1.11	datacred

**2 SECTION 2:
DATA QUALITY INFORMATION**

Mandatory or Optional: optional

Definition: A general assessment of the quality of the data set.

Field Type: Compound

Production Rules or Domain Values: 2 (Data Quality Information) =
2.1 + 2.2 + 2.3 + 2.4 + 2.5 + 2.6

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Data Quality Information	2	dataqual

2.1 Attribute Accuracy

Mandatory or Optional: optional

Definition: The accuracy or reliability of attribute data within the limits described by feature completeness. The data fields for "Attribute Accuracy" are "Attribute Accuracy Details" (2.1.1) and "Quantitative Attribute Accuracy Assessment" (2.1.2).

Field Type: Compound

Production Rules or Domain Values: 2.1 (Attribute Accuracy) =
2.1.1 + 2.1.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Attribute Accuracy	2.1	attracc

2.1.1 Attribute Accuracy Details

Mandatory or Optional: optional

Definition: An explanation of the accuracy or reliability of attribute data within the limits described by feature completeness and a description of the tests used.
This field has a free text domain.

Scanned Aerial Photography Metadata Standard Definition: Scanner calibration report file name, with file extension.

Field Type: Data

Production Rules or Domain Values: free text

Examples: Six (6) multispectral bands are available with a resolution of 30 metres. A panchromatic band 8 was added, with a resolution of 15 metres. Band 6 now has high-gain and low-gain bands with a resolution of 60 metres. (From "Landsat 7 Orthorectified Imagery over Canada")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Attribute Accuracy Report	2.1.1	attraccr

2.1.2 Quantitative Attribute Accuracy Assessment

Mandatory or Optional: optional

Definition: A value assigned to summarize the accuracy or reliability of attribute data within the limits described by feature completeness and the identification of the test that yielded the value.

Field Type: Compound

Production Rules or Domain Values: 2.1.2 (Quantitative Attribute Accuracy Assessment) =
2.1.2.1 + 2.1.2.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Quantitative Attribute Accuracy Assessment	2.1.2	qattracc

2.1.2.1 Attribute Accuracy Value

Mandatory or Optional: optional

Definition: An estimate of the accuracy or reliability of attribute data within the limits described by feature completeness. This field has a domain of: free text, or "Unknown".

Field Type: Data

Production Rules or Domain Values: free text
or "Unknown"

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Attribute Accuracy Value	2.1.2.1	attraccv

2.1.2.2 Attribute Accuracy Explanation

Mandatory or Optional: optional

Definition: The identification of the test that yielded the Attribute Accuracy Value. This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Attribute Accuracy Explanation	2.1.2.2	attracce

2.2 Logical Consistency Details

Mandatory or Optional: optional

Definition: An explanation referring to the topologic structure of the data within a database and its ability to relate elements to each other without contradictions. This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: *Control points are chosen in predefined areas on the image to ensure good and equitable distribution. The image area planned for control-point selection has been reduced by 4.5 km in the east and west boundaries of the image. This reduction ensures reuse of the same control points in the next image update. Tests were done on 3 images to determine the best location of control points within an image in order to achieve greater accuracy. (From "Landsat 7 Orthorectified Imagery over Canada" - <http://geodiscover.cgdi.ca/gdp/search?action=fullMetadata&entryType=productCollection&entryId=1583&entryLang=en&portal=gdp>)*

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Logical Consistency Report	2.2	logic

2.3 Completeness Report

Mandatory or Optional: optional

Definition: Information about omissions, selection criteria, generalization, definitions used, and other rules used to derive the data set. The "NS Geographic Information Standards Manual" refers to completeness as "an assessment of content and coverage".
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: *The data set is derived from Landsat-7 raw image level L1G. It has been processed using control points based on the most accurate control available data in the country. The methodology ensures homogeneous distribution of control points within the image. The parametric model was developed by Dr. Thierry Toutin at the Canada Centre for Remote Sensing (CCRS), Natural Resources Canada.*
(From "Landsat 7 Orthorectified Imagery over Canada" -
<http://geodiscover.cgdi.ca/gdp/search?action=fullMetadata&entryType=productCollection&entryId=1583&entryLang=en&portal=gdp>)

See EO1 data dictionary (from: "EO1 Hyperion Scene: EO1H0120292001241110PP_PF1_01, for target path 12, and target row 29"
<http://edcw2ks15.cr.usgs.gov/servlet/FGDCServlet/retrieve?pn=9&el=F&db=current&rp=3&mr=1&ac=current&cid=153&rsx=HTML>)

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Completeness Report	2.3	complete

2.4 Positional Accuracy

Mandatory or Optional: optional

Definition: The root mean square error (RMSE) of the coordinates relative to the position of the real world entity being modeled. Positional accuracy shall be specified without relation to scale and shall contain all errors introduced by source documents, data capture, and data processing.

Field Type: Compound

Production Rules or Domain Values: 2.4 (Positional Accuracy) =
2.4.1 + 2.4.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Positional Accuracy	2.4	posacc

2.4.1 Horizontal Positional Accuracy

Mandatory or Optional: optional

Definition: An estimate of accuracy of the horizontal positions of the spatial objects in the data set.

Field Type: Compound

Production Rules or Domain Values: 2.4.1 (Horizontal Positional Accuracy) =
2.4.1.1

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Horizontal Positional Accuracy	2.4.1	horizpa

2.4.1.1 Horizontal Positional Accuracy Details

Mandatory or Optional: optional

Definition: An explanation of the accuracy of the horizontal coordinate measurements and a description of the tests used. This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: +/- 1 metre (From "High Resolution (50 centimetre) Orthoimagery for Toronto, Ontario, Canada" - Sani-International Technology Advisors Inc.)

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Horizontal Positional Accuracy Report	2.4.1.1	horizpar

2.4.2 Vertical Positional Accuracy

Mandatory or Optional: optional

Definition: An estimate of accuracy of the vertical positions of the spatial objects in the data set.

Field Type: Compound

Production Rules or Domain Values: 2.4.2 (Vertical Positional Accuracy) =
2.4.2.1

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Vertical Positional Accuracy	2.4.2	vertacc

2.4.2.1 Vertical Positional Accuracy Details

Mandatory or Optional: optional

Definition: An explanation of the accuracy of the vertical coordinate measurements and a description of the tests used.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Vertical Positional Accuracy Report	2.4.2.1	vertaccr

2.5 Lineage

Mandatory or Optional: optional

Definition: Information about the processes, parameters, organizations responsible, and source data, which comprise the data set.

Field Type: Compound

Production Rules or Domain Values: 2.5 (Lineage) =
2.5.1 + 2.5.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Lineage	2.5	lineage

2.5.1 Source Information

Mandatory or Optional: optional

Definition: Would you like to reference source contribution(s)? List of sources and information about the data contributed by each.

Field Type: Compound

Production Rules or Domain Values: 2.5.1 (Source Information) =
2.5.1.1 + 2.5.1.2 + 2.5.1.3 + 2.5.1.4 + 2.5.1.5 + 2.5.1.6

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Source Information	2.5.1	srcinfo

2.5.1.1 Source Citation

Mandatory or Optional: optional

Definition: Information used to reference a source data set. The data fields for "Source Citation" are found in Section 8: Citation Information.

Field Type: Compound

Production Rules or Domain Values: 2.5.1.1 (Source Citation) =
Citation Information (see Section 8)

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Source Citation	2.5.1.1	srccite

2.5.1.2 Source Scale Denominator

Mandatory or Optional: optional

Definition: The ratio of the distance on a map to the corresponding distance on the ground. Under FGDC guidelines, scale is expressed using the denominator only. For example, under these guidelines, a map with a scale of 1:10000 is expressed as 10000 in the metadata record.

Other Title(s):

OM, Topo, Ortho:
Source(s) Scale

Aerial:
Original Photo: Scale

Field Type: Data

Production Rules or Domain Values: "1000"
"2000"
"5000"
"10000"
"50000"
"150000"
or numeric value

Examples: 10000 (From "Coastal")

Other example:

1:10000 and 1:50000 (From "Sea Kayak Routes of Nova Scotia, Canada" - Health Promotion)

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Source Scale Denominator	2.5.1.2	srcscale

2.5.1.3 Type of Source Media

Mandatory or Optional: optional

Definition: The type of media the source data was received on. This field has a domain of: "paper", "stable-base material", "microfiche", "microfilm", "audiocassette", "chart", "filmstrip", "transparency", "videocassette", "videodisc", "videotape", "physical model", "computer program", "disc", "cartridge tape", "magnetic tape", "online", "CD-ROM", "electronic bulletin board", "electronic mail system", and a free text option.

Other Title(s):

Aerial:
Original Photo: Material;
Original Photo: Type;
Original Photo: Pos or Neg

Field Type: Data

Production Rules or Domain Values: "paper"
"stable-base material"
"microfiche"
"microfilm"
"audiocassette"
"chart"
"filmstrip"
"transparency"
"videocassette"
"videodisc"
"videotape"
"physical model"
"computer program"
"disc"
"cartridge tape"
"magnetic tape"
"online"
"CD-ROM"
"electronic bulletin board"
"electronic mail system"
or free text

Examples: *Digital files of 1: 10000 and 1: 50000 topographic series from Nova Scotia Geomatics Centre (From "Sea Kayak Routes of Nova Scotia, Canada" - Health Promotion)*

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Type of Source Media	2.5.1.3	typesrc

2.5.1.4 Source Time Period of Content

Mandatory or Optional: optional

Definition: Time period reference for the source. When was the source data collected or created?

Field Type: Compound

Production Rules or Domain Values: 2.5.1.4 (Source Time Period of Content) =
Time Period Information (see Section 9) + 2.5.1.4.1

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Source Time Period of Content	2.5.1.4	srctime

2.5.1.4.1 Source Currentness Reference

Mandatory or Optional: optional

Definition: The basis on which the source time period of content information of the source data set is determined. This field has a domain of: "ground condition", or "publication date", as well as a free text option.

Field Type: Data

Production Rules or Domain Values: "ground condition"
"publication date"
or free text

Examples: *ground condition (From "Coastal")*

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Source Currentness Reference	2.5.1.4.1	srccurr

2.5.1.5 Source Abbreviation

Mandatory or Optional: optional

Definition: Short-form or alias for the title of the source data. This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: *NSTDB, CHS, DNR, NB, PEI (From "Coastal")*

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Source Citation Abbreviation	2.5.1.5	srccitea

2.5.1.6 Source Contribution

Mandatory or Optional: optional

Definition: Brief statement identifying the information contributed by the source to the data set. This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: *Base map data (NSTDB), hydrographic data (CHS), 1:10000 10k forest polygons (DNR), base map data (NB & PEI) (From "Coastal")*

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Source Contribution	2.5.1.6	srctr

2.5.2 Process Step

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	A description of the step(s) to create the data set.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	2.5.2 (Process Step) = 2.5.2.1 + 2.5.2.3 + 2.5.2.6						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>	FAQ: What is Process Step used for in the metadata? A: Process step provides capacity for custodians, who wish to record their process as they create a product, to document their steps as they go along. It would only be useful if the metadata was documented at the same time as the product was being created, OR if the steps had been accurately traced as the product was created.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Process Step</td><td>2.5.2</td><td>procstep</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Process Step	2.5.2	procstep
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Process Step	2.5.2	procstep					

2.5.2.1 Process Description

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	A brief written explanation of one or many steps in the process of creating the data set. An explanation of related parameters or tolerances may also be discussed in this field. This field has a free text domain.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>	<i>Information about the EO-1 satellite processing and its sensors is available at: http://eo1.gsfc.nasa.gov and at http://eo1.usgs.gov (from: "EO1 Advanced Land Imager Scene: EO1A0110292001170111PP_PF1_01, for Target Path 11, and Target Row 29" http://edcw2ks15.cr.usgs.gov/servlet/FGDCServlet/retrieve?pn=2&el=F&db=current&rp=3&mr=1&ac=current&cid=149&rsx=HTML)</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Process Description</td><td>2.5.2.1</td><td>procdesc</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Process Description	2.5.2.1	procdesc
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Process Description	2.5.2.1	procdesc					

2.5.2.3 Process Date

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The date when the data set was produced or revised. This field has a domain of "yyyy-mm-dd", "Unknown", or "Not complete". Other Title(s): Aerial: Scanning Date Scanned Aerial Photography Metadata Standard Definition: Date the photograph was scanned, expressed as year-month-day (yyyy-mm-dd).						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	yyyy-mm-dd or "Unknown" "Not complete"						
<i>Examples:</i>	20010619 (from: "EO1 Advanced Land Imager Scene: EO1A0110292001170111PP_PF1_01, for Target Path 11, and Target Row 29" http://edcw2ks15.cr.usgs.gov/servlet/FGDCServlet/retrieve?pn=2&el=F&db=current&rp=3&mr=1&ac=current&cid=149&rsx=HTML)						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Process Date</td><td>2.5.2.3</td><td>procdat</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Process Date	2.5.2.3	procdat
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Process Date	2.5.2.3	procdat					

2.5.2.6 Process Contact Information

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The organization responsible for producing the original or revised data set(s), or - in the case of scanned aerial photography - the organization responsible for scanning the aerial photograph(s). Other Title(s): Topo: Revision Contact						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	2.5.2.6 (Process Contact) = Contact Information (see Section 10)						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Process Contact</td><td>2.5.2.6</td><td>proccont</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Process Contact	2.5.2.6	proccont
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Process Contact	2.5.2.6	proccont					

2.6 Cloud Cover: Percentage of Obstruction

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	Area of a data set obstructed by clouds, expressed as a percentage of the spatial extent. This field has a domain of: numeric value, or "Unknown".						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	numeric value or "Unknown"						
<i>Examples:</i>	25%						
<i>FAQ/Notes:</i>	FAQ: What, specifically, is Cloud Cover used to document? A: Cloud cover would be useful to air/satellite photo metadata specifically.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Cloud Cover</td><td>2.6</td><td>cloud</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Cloud Cover	2.6	cloud
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Cloud Cover	2.6	cloud					

3 SECTION 3: SPATIAL DATA ORGANIZATION INFORMATION

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Information about how the data set occupies space.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	3 (Spatial Data Organization Information) = 3.1 + 3.2						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Spatial Data Organization Information</td><td>3</td><td>spdoinfo</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Spatial Data Organization Information	3	spdoinfo
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Spatial Data Organization Information	3	spdoinfo					

3.2 Direct Spatial Reference Method

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The system of objects used to represent space in the data set. This field has a domain of: "Point", "Vector", and/or "Raster", unless data is not spatial in nature (i.e. a static map or an air photo that is not geo-referenced), in which case refer instead to the field "Indirect Spatial Reference"(3.1).						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"Point" "Vector" "Raster"						
<i>Examples:</i>	<i>Vector (From "Coastal")</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Direct Spatial Reference Method</td><td>3.2</td><td>direct</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Direct Spatial Reference Method	3.2	direct
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Direct Spatial Reference Method	3.2	direct					

3.1 Indirect Spatial Reference Method

Mandatory or Optional: mandatory

Definition: If the data set is indirectly spatially referenced, name types of geographic data within the data set. This field has a domain of: "postal code", "county", "town", "street", "community", "municipality", "constituency", "property id number", "Nova Scotia Atlas grid reference", "Nova Scotia Book of Maps grid atlas", and a free text option.

Field Type: Data

Production Rules or Domain Values: "postal code"
"county"
"town"
"street"
"community"
"municipality"
"constituency"
"property id number"
"Nova Scotia Atlas grid reference"
"Nova Scotia Book of Maps grid atlas"
or free text

Examples: District office location. (From "Furbearers and Upland Game Program: Export Permits, Nova Scotia, Canada - FoxPro Database" - DNR Wildlife)

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Indirect Spatial Reference	3.1	indspref

3.4 Raster Object Information

Mandatory or Optional: optional (mandatory in FGDC)

Definition: The types and numbers of raster spatial objects in the data set.

Field Type: Compound

Production Rules or Domain Values: 3.4 (Raster Object Information) =
3.4.1 + 3.4.2 + 3.4.3 + 3.4.4

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Raster Object Information	3.4	rastinfo

3.4.1 Raster Object Type

Mandatory or Optional: optional (mandatory in FGDC)

Definition: Raster spatial objects used to locate zero-, two-, or three-dimensional locations in the data set. This field has a domain of: "point", "pixel", "grid cell", "voxel", and a free text option.

Field Type: Data

Production Rules or Domain Values: "point"
"pixel"
"grid cell"
"voxel"
or free text

Examples: *pixel*

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Raster Object Type	3.4.1	rasttype

3.4.2 Row Count

Mandatory or Optional: optional (mandatory in FGDC)

Definition: The maximum number of raster objects along the ordinate (y) axis. For use with rectangular raster objects. This field has a numeric value option.

Field Type: Data

Production Rules or Domain Values: numeric value

Examples: *300*

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Row Count	3.4.2	rowcount

3.4.3 Column Count

Mandatory or Optional: optional (mandatory in FGDC)

Definition: The maximum number of raster objects along the abscissa (x) axis. For use with rectangular raster objects. This field has a numeric value option.

Field Type: Data

Production Rules or Domain Values: numeric value

Examples: *300*

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Column Count	3.4.3	colcount

3.4.4 Vertical Count

Mandatory or Optional: optional (mandatory in FGDC)

Definition: The maximum number of raster objects along the vertical (z) axis. For use with rectangular volumetric raster objects. This field has a numeric value option.

Field Type: Data

Production Rules or Domain Values: numeric value

Examples: 1

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Vertical Count	3.4.4	vertcount

4 SECTION 4: SPATIAL REFERENCE INFORMATION

Mandatory or Optional: optional

Definition: Spatial Reference is a coordinate system based upon survey measurements used to define the relative and/or absolute location of features.

Field Type: Compound

Production Rules or Domain Values: 4 (Spatial Reference Information) =
4.1 + 4.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Spatial Reference Information	4	spref

4.1 Horizontal Coordinate System Definition

Mandatory or Optional: optional

Definition: The reference frame or system from which linear or angular quantities are measured and assigned to the position that a point occupies.

Field Type: Compound

Production Rules or Domain Values: 4.1 (Horizontal Coordinate System Definition) =
4.1.1 OR 4.1.2 OR 4.1.3

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Horizontal Coordinate System Definition	4.1	horizsys

4.1.1 Geographic Horizontal Coordinate System Definition

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The quantities of latitude and longitude which define the position of a point on the Earth's surface with respect to a reference spheroid.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	4.1.1 (Geographic) = 4.1.1.1 + 4.1.1.2 + 4.1.1.3						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Geographic</td><td>4.1.1</td><td>geograph</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Geographic	4.1.1	geograph
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Geographic	4.1.1	geograph					

4.1.1.1 Latitude Resolution

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The minimum difference between two adjacent latitude values expressed in Geographic Coordinate Units of measure. This field has a numeric value option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	numeric value						
<i>Examples:</i>	50 centimeters (From "High Resolution (50 centimetre) Orthoimagery for Toronto, Ontario, Canada" - Sani-International Technology Advisors Inc.)						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Latitude Resolution</td><td>4.1.1.1</td><td>latres</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Latitude Resolution	4.1.1.1	latres
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Latitude Resolution	4.1.1.1	latres					

4.1.1.2 Longitude Resolution

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The minimum difference between two adjacent longitude values expressed in Geographic Coordinate Units of measure. This field has a numeric value option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	numeric value						
<i>Examples:</i>	50 centimeters (From "High Resolution (50 centimetre) Orthoimagery for Toronto, Ontario, Canada" - Sani-International Technology Advisors Inc.)						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Longitude Resolution</td><td>4.1.1.2</td><td>longres</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Longitude Resolution	4.1.1.2	longres
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Longitude Resolution	4.1.1.2	longres					

4.1.1.3 Geographic Coordinate Units

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	Units of measure used for the latitude and longitude values. This field has a free text domain.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>	<i>Centimetres (From "High Resolution (50 centimetre) Orthoimagery for Toronto, Ontario, Canada" - Sani-International Technology Advisors Inc.)</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Geographic Coordinate Units</td><td>4.1.1.3</td><td>geogunit</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Geographic Coordinate Units	4.1.1.3	geogunit
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Geographic Coordinate Units	4.1.1.3	geogunit					

4.1.2 Planar Horizontal Coordinate System Definition

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The quantities of distances, or distances and angles, which define the position of a point on a reference plane to which the surface of the Earth has been projected. Refer to one of the following subsections for data fields: "Map Projection" (4.1.2.1), "Grid Coordinate System" (4.1.2.2), or "Local Planar" (4.1.2.3).						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	4.1.2 (Planar) = 4.1.2.1 OR 4.1.2.2 OR 4.1.2.3						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Planar</td><td>4.1.2</td><td>planar</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Planar	4.1.2	planar
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Planar	4.1.2	planar					

4.1.2.1 Map Projection

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The systematic representation of all or part of the surface of the Earth on a plane or developable surface.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	4.1.2.1 (Map Projection) = 4.1.2.1.1 + (4.1.2.1.10 OR 4.1.2.1.21) + all data elements pertaining to that projection						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Map Projection</td><td>4.1.2.1</td><td>mapproj</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Map Projection	4.1.2.1	mapproj
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Map Projection	4.1.2.1	mapproj					

4.1.2.1.1 Map Projection Name

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	Name of the map (or orthophoto map) projection. This field has a domain of: "Universal Transverse Mercator", or "Modified Transverse Mercator", as well as a free text option. Other Title(s): OM, Topo, Ortho: Projection						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"Universal Transverse Mercator" "Modified Transverse Mercator" or free text						
<i>Examples:</i>	<i>Universal Transverse Mercator (From "Coastal")</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Map Projection Name</td><td>4.1.2.1.1</td><td>mapprojn</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Map Projection Name	4.1.2.1.1	mapprojn
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Map Projection Name	4.1.2.1.1	mapprojn					

4.1.2.1.2 Transverse Mercator

1

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	Contains parameters for the Transverse Mercator projection.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	4.1.2.1.21 (Transverse Mercator) = 4.1.2.1.23.17 + 4.1.2.1.23.2 + 4.1.2.1.23.3 + 4.1.2.1.23.4 + 4.1.2.1.23.5						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Transverse Mercator</td><td>4.1.2.1.21</td><td>transmer</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Transverse Mercator	4.1.2.1.21	transmer
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Transverse Mercator	4.1.2.1.21	transmer					

4.1.2.1.2 Map Projection Parameters

3

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	A complete parameter set of the projection that was used for the data set. The information provided shall include the names of the parameters and values used for the data set that describe the mathematical relationship between the Earth and the plane or developable surface for the projection.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	4.1.2.1.23 (Map Projection Parameters) = Appropriate data elements 4.1.2.1.23.2 through 4.1.2.1.23.18 to document the map projection parameters.)						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Map Projection Parameters</td><td>4.1.2.1.23</td><td>mapprojp</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Map Projection Parameters	4.1.2.1.23	mapprojp
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Map Projection Parameters	4.1.2.1.23	mapprojp					

4.1.2.1.2 Longitude of Central Meridian

3.2

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The line of longitude at the center of a map projection generally used as the basis for constructing the projection. This field has a numeric value option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	numeric value						
<i>Examples:</i>	63 (From "Coastal")						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Longitude of Central Meridian</td><td>4.1.2.1.23.2</td><td>longcm</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Longitude of Central Meridian	4.1.2.1.23.2	longcm
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Longitude of Central Meridian	4.1.2.1.23.2	longcm					

4.1.2.1.2 Latitude of Projection Origin

3.3

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	Latitude chosen as the origin of rectangular coordinates for a map projection. This field has a numeric value option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	numeric value						
<i>Examples:</i>	Equator (0) (From "Coastal")						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Latitude of Projection Origin</td><td>4.1.2.1.23.3</td><td>latproj</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Latitude of Projection Origin	4.1.2.1.23.3	latproj
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Latitude of Projection Origin	4.1.2.1.23.3	latproj					

4.1.2.1.2 False Easting

3.4

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The value added to all "x" values in the rectangular coordinates for a map projection. This value frequently is assigned to eliminate negative numbers. Also Identify the units of measure. This field has a numeric value option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	numeric value						
<i>Examples:</i>	500000 (From "Coastal")						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>False Easting</td><td>4.1.2.1.23.4</td><td>feast</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	False Easting	4.1.2.1.23.4	feast
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
False Easting	4.1.2.1.23.4	feast					

4.1.2.1.2 False Northing 3.5

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The value added to all "y" values in the rectangular coordinates for a map projection. This value is most frequently assigned to eliminate negative numbers. Also Identify the units of measure. This field has a numeric value option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	numeric value						
<i>Examples:</i>	0 (From "Coastal")						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>False Northing</td><td>4.1.2.1.23.5</td><td>fnorth</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	False Northing	4.1.2.1.23.5	fnorth
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
False Northing	4.1.2.1.23.5	fnorth					

4.1.2.1.2 Scale Factor at Central Meridian 3.17

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	A multiplier for reducing a distance obtained from a map by computation or scaling to the actual distance along the central meridian. This field has a numeric value option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	numeric value						
<i>Examples:</i>	0.996 (From "Coastal")						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Scale Factor at Central Meridian</td><td>4.1.2.1.23.17</td><td>sfctrmer</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Scale Factor at Central Meridian	4.1.2.1.23.17	sfctrmer
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Scale Factor at Central Meridian	4.1.2.1.23.17	sfctrmer					

4.1.2.1.2 Other Projection's Definition 3.18

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	If projection is something else, provide details here. This field has a free text domain. This field should provide a description of a projection, not defined elsewhere in the standard, which was used for the data set.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>							
<i>FAQ/Notes:</i>	FAQ: When would Other Projection's Definition be populated? A: This element would be useful if another projection is used, other than UTM.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Other Projection's Definition</td><td>4.1.2.1.23.18</td><td>otherprj</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Other Projection's Definition	4.1.2.1.23.18	otherprj
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Other Projection's Definition	4.1.2.1.23.18	otherprj					

4.1.2.2 Grid Coordinate System

Mandatory or Optional: optional

Definition: A plane-rectangular coordinate system usually based on, and mathematically adjusted to, a map projection so that geographic positions can be readily transformed to and from plane coordinates.

Field Type: Compound

Production Rules or Domain Values: 4.1.2.2 (Grid Coordinate System) =
4.1.2.2.1 + (4.1.2.2.2 OR 4.1.2.2.6)

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Grid Coordinate System	4.1.2.2	gridsys

4.1.2.2.1 Grid Coordinate System Name

Mandatory or Optional: optional

Definition: Name of the grid coordinate system.
This field has a domain of: "Universal Transverse Mercator", or "other grid system", and a free text option.

Field Type: Data

Production Rules or Domain Values: "Universal Transverse Mercator"
"other grid system"
or free text

Examples: *Universal Transverse Mercator*

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Grid Coordinate System Name	4.1.2.2.1	gridsysn

4.1.2.2.2 Universal Transverse Mercator (UTM)

Mandatory or Optional: optional

Definition: A grid system based on the Transverse Mercator projection, applied between latitudes 84 degrees north and 80 degrees south on the Earth's surface.

Field Type: Compound

Production Rules or Domain Values: 4.1.2.2.2 (Universal Transverse Mercator) =
4.1.2.2.2.1 + 4.1.2.1.21

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Universal Transverse Mercator (UTM)	4.1.2.2.2	utm

4.1.2.2.2. UTM Zone Number

1

Mandatory or Optional: optional

Definition: Identifier for the UTM zone.
This field has a numeric value option.

Field Type: Data

Production Rules or Domain Values: numeric value

Examples: 20 - expanded (includes Western-most and Eastern-most parts of Nova Scotia) (From "Coastal")

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
UTM Zone Number	4.1.2.2.2.1	utmzone

4.1.2.2.6 Other Grid System's Definition

Mandatory or Optional: optional

Definition: If grid coordinate system is something else, provide details here.
This field has a free text domain.

A complete description of a grid system, not defined elsewhere in this standard, which was used for the data set.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Other Grid System's Definition	4.1.2.2.6	othergrd

4.1.2.3 Local Planar

Mandatory or Optional: optional

Definition: Any right-handed planar coordinate system of which the z-axis coincides with a plumb line through the origin that locally is aligned with the surface of the Earth.

Field Type: Compound

Production Rules or Domain Values: 4.1.2.3 (Local Planar) =
4.1.2.3.1 + 4.1.2.3.2

Examples: N/A

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Local Planar	4.1.2.3	localp

4.1.2.3.1 Local Planar Description

Mandatory or Optional: optional

Definition: A description of the local planar system.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Local Planar Description	4.1.2.3.1	localpd

4.1.2.3.2 Local Planar Geographic Reference Information

Mandatory or Optional: optional

Definition: A description of the information provided to register the local planar system to the Earth (e.g. control points, satellite ephemeral data, inertial navigation data).
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Local Planar Georeference Information	4.1.2.3.2	localpgi

4.1.3 Local Horizontal Coordinate System Definition

Mandatory or Optional: optional

Definition: A description of any coordinate system that is not aligned with the surface of the Earth.

Field Type: Compound

Production Rules or Domain Values: 4.1.3 (Local) =
4.1.3.1 + 4.1.3.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Local	4.1.3	local

4.1.3.1 Local Description

Mandatory or Optional: optional

Definition: A description of the coordinate system and its orientation to the surface of the Earth.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Local Description	4.1.3.1	localdes

4.1.3.2 Local Geographic Reference Information

Mandatory or Optional: optional

Definition: A description of the information provided to register the local system to the Earth (e.g. control points, satellite ephemeral data, inertial navigation data).
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Local Georeference Information	4.1.3.2	localgeo

4.1.4 Geodetic Model

Mandatory or Optional: optional

Definition: Parameters for the shape of the earth.

Field Type: Compound

Production Rules or Domain Values: 4.1.4 (Geodetic Model) =
4.1.4.1

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Geodetic Model	4.1.4	geodetic

4.1.4.1 Horizontal Datum Name

Mandatory or Optional: optional

Definition: The identification given to the reference system used for defining the coordinates of points. This field has a domain of: "North American Datum 1927", "North American Datum 1983", "Average Terrestrial System 1977", and a free text option.

Field Type: Data

Production Rules or Domain Values: "North American Datum 1927"
"North American Datum 1983"
"Average Terrestrial System 1977"
or free text

Examples: *NAD83 - Realization 1989 (1989 version of NAD83) (From "Coastal")*

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Horizontal Datum Name	4.1.4.1	horizdn

4.2 Vertical Coordinate System Definition

Mandatory or Optional: optional

Definition: The reference frame or system from which vertical distances (altitudes or depths) are measured. (This section is specific to the type of dataset containing elevation data, coastal maps, for example).

Field Type: Compound

Production Rules or Domain Values: 4.2 (Vertical Coordinate System Definition) =
4.2.1 + 4.2.2

Examples: *N/A*

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Vertical Coordinate System Definition	4.2	vertdef

4.2.1 Altitude System Definition

Mandatory or Optional: optional

Definition: The reference frame or system from which altitudes (elevations) are measured.

Field Type: Compound

Production Rules or Domain Values: 4.2.1 (Altitude System Definition) =
4.2.1.1 + 4.2.1.2 + 4.2.1.3 + 4.2.1.4

Examples: *N/A*

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Altitude System Definition	4.2.1	altsys

4.2.1.1 Altitude Datum Name

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The identification given to the surface taken as the surface of reference from which altitudes are measured. This field has a domain of: "National Geodetic Vertical Datum 1929", or "North American Vertical Datum 1988", as well as a free text option. Other Title(s): OM, Topo, Ortho: Vertical Datum Name						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"National Geodetic Vertical Datum 1929" "North American Vertical Datum 1988" or free text						
<i>Examples:</i>	<i>North American Vertical Datum (NAVD) 1928 (From "Coastal")</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Altitude Datum Name</td><td>4.2.1.1</td><td>altdatum</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Altitude Datum Name	4.2.1.1	altdatum
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Altitude Datum Name	4.2.1.1	altdatum					

4.2.1.2 Altitude Resolution

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The minimum distance possible between two adjacent altitude values, expressed in "Altitude Distance Units" (4.2.1.3) of measure. This field has a numeric value option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	numeric value						
<i>Examples:</i>	<i>1/10 metre x,y,z (From "Coastal")</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Altitude Resolution</td><td>4.2.1.2</td><td>altres</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Altitude Resolution	4.2.1.2	altres
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Altitude Resolution	4.2.1.2	altres					

4.2.1.3 Altitude Distance Units

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	Units in which altitudes are recorded. This field has a free text domain. Other Title(s): OM, Topo, Ortho: Vertical Distance Units						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>	<i>Metres (From "Coastal")</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Altitude Distance Units</td><td>4.2.1.3</td><td>altunits</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Altitude Distance Units	4.2.1.3	altunits
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Altitude Distance Units	4.2.1.3	altunits					

4.2.1.4 Altitude Encoding Method

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The means used to encode the altitudes. This field has a free text domain.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>	<i>Photogrammetry or GPS (From "Coastal")</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Altitude Encoding Method</td><td>4.2.1.4</td><td>altenc</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Altitude Encoding Method	4.2.1.4	altenc
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Altitude Encoding Method	4.2.1.4	altenc					

4.2.2 Depth System Definition

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The reference frame or system from which depths are measured.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	4.2.2 (Depth System Definition) = 4.2.2.1 + 4.2.2.2 + 4.2.2.3 + 4.2.2.4						
<i>Examples:</i>	<i>N/A</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Depth System Definition</td><td>4.2.2</td><td>depthsys</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Depth System Definition	4.2.2	depthsys
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Depth System Definition	4.2.2	depthsys					

4.2.2.1 Depth Datum Name

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The identification given to surface of reference from which depths are measured. This field has a domain of: "Local surface", "Chart datum; datum for sounding reduction", "Mean low water", "Mean high water", "Mean sea level", "Land survey datum", "Spring tide", "High water", "Low water", "Mean tide level", and a free text option.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"Local surface" "Chart datum; datum for sounding reduction" "Mean low water" "Mean high water" "Mean sea level" "Land survey datum" "Spring tide" "High water" "Low water" "Mean tide level" or free text						
<i>Examples:</i>	<i>Chart Datum (varies from sheet to sheet and from chart to chart) (From "Coastal")</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Depth Datum Name</td><td>4.2.2.1</td><td>depthdn</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Depth Datum Name	4.2.2.1	depthdn
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Depth Datum Name	4.2.2.1	depthdn					

4.2.2.2 Depth Resolution

Mandatory or Optional: optional

Definition: The minimum distance possible between two adjacent depth values, expressed in "Depth Distance Units" (4.2.2.3) of measure.
This field has a numeric value option.

Field Type: Data

Production Rules or Domain Values: numeric value

Examples: 1/10 metre x,y,z (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Depth Resolution	4.2.2.2	depthres

4.2.2.3 Depth Distance Units

Mandatory or Optional: optional

Definition: Units in which depths are recorded.
This field has a domain of: "meters", or "feet", as well as a free text option.

Field Type: Data

Production Rules or Domain Values: "meters"
"feet"
or free text

Examples: Metres (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Depth Distance Units	4.2.2.3	depthdu

4.2.2.4 Depth Encoding Method

Mandatory or Optional: optional

Definition: The means used to encode depths.
This field has a domain of: "Explicit depth coordinate included with horizontal coordinates", "Implicit coordinate", "Attribute values", and a free text option.

Field Type: Data

Production Rules or Domain Values: "Explicit depth coordinate included with horizontal coordinates"
"Implicit coordinate"
"Attribute values"
or free text

Examples: CHS data - methods unknown (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Depth Encoding Method	4.2.2.4	depthem

**5 SECTION 5:
ENTITY & ATTRIBUTE INFORMATION**

Mandatory or Optional: optional

Definition: Details about the information content of the data set, including the entity types, their attributes, and the domains from which attribute values may be assigned.

Field Type: Compound

Production Rules or Domain Values: 5 (Entity and Attribute Information) =
5.1 OR 5.2 OR 5.1 + 5.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Entity and Attribute Information	5	eainfo

5.1 Detailed Description

Mandatory or Optional: optional

Definition: Description of the entities, attributes, attribute values, and related characteristics encoded in the data set.

Field Type: Compound

Production Rules or Domain Values: 5.1 (Detailed Description) =
5.1.1 + 5.1.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Detailed Description	5.1	detailed

5.1.1 Entity Type

Mandatory or Optional: optional

Definition: The definition and description of a set into which similar entity instances are classified.

Field Type: Compound

Production Rules or Domain Values: 5.1.1 (Entity Type) =
5.1.1.1 + 5.1.1.2 + 5.1.1.3

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Entity Type	5.1.1	enttype

5.1.1.1 Entity Type Label

Mandatory or Optional: optional

Definition: The name of the entity type.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Entity Type Label	5.1.1.1	enttyp1

5.1.1.2 Entity Type Definition

Mandatory or Optional: optional

Definition: The description of the entity type.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Entity Type Definition	5.1.1.2	enttypd

5.1.1.3 Entity Type Definition Source

Mandatory or Optional: optional

Definition: The authority of the definition.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Entity Type Definition Source	5.1.1.3	enttypds

5.1.2 Attribute

Mandatory or Optional: optional

Definition: A defined characteristic of an entity.

Field Type: Compound

Production Rules or Domain Values: 5.1.2 (Attribute) =
5.1.2.1 + 5.1.2.2 + 5.1.2.3 + 5.1.2.4

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Attribute	5.1.2	attr

5.1.2.1 Attribute Label

Mandatory or Optional: optional

Definition: The name of the attribute.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Attribute Label	5.1.2.1	attrlabl

5.1.2.2 Attribute Definition

Mandatory or Optional: optional

Definition: The description of the attribute.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Attribute Definition	5.1.2.2	attrdef

5.1.2.3 Attribute Definition Source

Mandatory or Optional: optional

Definition: The authority of the definition.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Attribute Definition Source	5.1.2.3	attrdefs

5.1.2.4 Attribute Domain Values

Mandatory or Optional: optional

Definition: The valid values that can be assigned for an attribute.

Field Type: Compound

Production Rules or Domain Values: 5.1.2.4 (Attribute Domain Values) =
5.1.2.4.1 OR 5.1.2.4.2 OR 5.1.2.4.3 OR 5.1.2.4.4

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Attribute Domain Values	5.1.2.4	attrdomv

5.1.2.4.1 Enumerated Domain

Mandatory or Optional: optional

Definition: The members of an established set of valid values.

Field Type: Compound

Production Rules or Domain Values: 5.1.2.4.1 (Enumerated Domain) =
5.1.2.4.1.1 + 5.1.2.4.1.2 + 5.1.2.4.1.3 + 5.1.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Enumerated Domain	5.1.2.4.1	edom

5.1.2.4.1. Value

1

Mandatory or Optional: optional

Definition: The name or label of a member of the set.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Enumerated Domain Value	5.1.2.4.1.1	edomv

5.1.2.4.1. Value Definition

2

Mandatory or Optional: optional

Definition: The description of the value.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Enumerated Domain Value Definition	5.1.2.4.1.2	dedomvd

5.1.2.4.1. Value Definition Source

3

Mandatory or Optional: optional

Definition: The authority of the definition.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Enumerated Domain Value Definition Source	5.1.2.4.1.3	edomvds

5.1.2.4.2 Range Domain

Mandatory or Optional:

Definition: The minimum and maximum values of a range of valid values.

Field Type: Compound

Production Rules or Domain Values: 5.1.2.4.2 (Range Domain) =
5.1.2.4.2.1 + 5.1.2.4.2.2 + 5.1.2.4.2.3 + 5.1.2.4.2.4

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Range Domain	5.1.2.4.2	rdom

5.1.2.4.2. Range Domain Minimum

1

Mandatory or Optional:

Definition: The least value that the attribute can be assigned.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Range Domain Minimum	5.1.2.4.2.1	rdommin

5.1.2.4.2. Range Domain Maximum

2

Mandatory or Optional:

Definition: The greatest value that the attribute can be assigned.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Range Domain Maximum	5.1.2.4.2.2	rdommax

5.1.2.4.2. Attribute Units of Measure

3

Mandatory or Optional:

Definition: The standard of measurement for an attribute value.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Attribute Units of Measure	5.1.2.4.2.3	attrunit

5.1.2.4.2. Attribute Measurement Resolution

4

Mandatory or Optional:

Definition: The smallest unit increment to which an attribute value is measured.
This field has a numeric value option.

Field Type: Data

Production Rules or Domain Values: numeric value

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Attribute Measurement Resolution	5.1.2.4.2.4	attrmres

5.1.2.4.3 Codeset Domain

Mandatory or Optional:

Definition: Reference to a standard or list which contains the members of an established set of valid values.

Field Type: Compound

Production Rules or Domain Values: 5.1.2.4.3 (Codeset Domain) =
5.1.2.4.3.1 + 5.1.2.4.3.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Codeset Domain	5.1.2.4.3	codesetd

5.1.2.4.3. Codeset Name

1

Mandatory or Optional:

Definition: The title of the codeset.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Codeset Name	5.1.2.4.3.1	codesetn

5.1.2.4.3. Codeset Source

2

Mandatory or Optional:

Definition: The authority for the codeset.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Codeset Source	5.1.2.4.3.2	codesets

5.1.2.4.4 Unrepresentable Domain

Mandatory or Optional:

Definition: Description of the values and reasons why they cannot be represented.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Unrepresentable Domain	5.1.2.4.4	udom

5.1.2.5 Beginning Date of Attribute Values

Mandatory or Optional:

Definition: Earliest or only date for which the attribute values are current. In cases when a range of dates are provided, this is the earliest date for which the information is valid. This field has a domain of yyyy-mm-dd.

Field Type: Data

Production Rules or Domain Values: yyyy-mm-dd

Examples: 1998-12-01

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Beginning Date of Attribute Values	5.1.2.5	begdatea

5.1.2.6 Ending Date of Attribute Values

Mandatory or Optional:

Definition: Latest date for which the information is current. Used in cases when a range of dates are provided. This field has a domain of yyyy-mm-dd.

Field Type: Data

Production Rules or Domain Values: yyyy-mm-dd

Examples: 2005-10-16

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Ending Date of Attribute Values	5.1.2.6	enddatea

5.1.2.7 Attribute Value Accuracy Information

Mandatory or Optional:

Definition: An assessment of the accuracy of the assignment of attribute values.

Field Type: Compound

Production Rules or Domain Values: 5.1.2.7 (Attribute Value Accuracy Information) = 5.1.2.7.1 + 5.1.2.7.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Attribute Value Accuracy Information	5.1.2.7	attrvai

5.1.2.7.1 Attribute Value Accuracy

Mandatory or Optional:

Definition: An estimate of the accuracy of the assignment of attribute values.
This field has a domain of free text.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Attribute Value Accuracy	5.1.2.7.1	attrva

5.1.2.7.2 Attribute Value Accuracy Explanation

Mandatory or Optional:

Definition: The definition of the "Attribute Value Accuracy" (5.1.2.7.1) measure and units, and a description of how the estimate was derived.
This field has a domain of free text.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Attribute Value Accuracy Explanation	5.1.2.7.2	attrvae

5.1.2.8 Attribute Measurement Frequency

Mandatory or Optional:

Definition: The frequency with which attribute values are added.
This field has a domain of: "Unknown", "As needed", "Irregular", "None planned", and a free text option.

Field Type: Data

Production Rules or Domain Values: "Unknown"
"As needed"
"Irregular"
"None planned"
or free text

Examples: *As needed*

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Attribute Measurement Frequency	5.1.2.8	attrmfrq

5.2 Overview Description

Mandatory or Optional: optional

Definition: Summary of, and citation to detailed description of, the information content of the data set.

Field Type: Compound

Production Rules or Domain Values: 5.2 (Overview Description) =
5.2.1 + 5.2.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Overview Description	5.2	overview

5.2.1 Entity and Attribute Overview

Mandatory or Optional: optional

Definition: Detailed summary of the information contained in a data set.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Entity and Attribute Overview	5.2.1	eainfo > overview > eaover

5.2.2 Entity and Attribute Detail Citation

Mandatory or Optional: optional

Definition: Reference to the complete description of the entity types, attributes, and attribute values for the data set.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Entity and Attribute Detail Citation	5.2.2	eainfo > overview > eadetcit

**6 SECTION 6:
DISTRIBUTION INFORMATION**

Mandatory or Optional: optional

Definition: Distribution options and contacts information.

Field Type: Compound

*Production Rules or
Domain Values:* 6 (Distribution Information) =
6.1 + 6.2 + 6.3 + 6.4 + 6.5 + 6.6

Examples: N/A

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Distribution Information	6	distinfo

6.1 Distribution Contact

Mandatory or Optional: mandatory

Definition: The organization from which the data set may be obtained.

Field Type: Compound

*Production Rules or
Domain Values:* 6.1 (Distributor) =
Contact Information (see Section 10)

Examples: N/A

FAQ/Notes: FAQ: Where are the data elements for the "Distributor" element?
A: Because the elements are required by other sections, the elements were grouped in Section 10: Contact Information.

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Distributor	6.1	distrib

6.2 Resource Description (Catalog or Library No.)

Mandatory or Optional: mandatory

Definition: The identifier by which the distributor knows the dataset.
This field has a free text domain.

Field Type: Data

*Production Rules or
Domain Values:* free text

Examples: DNR Pub #: Information Circular PKS-56 (From "Our Parks" Nature's Resorts, Nova Scotia, Canada - Provincial Park Brochure)

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Resource Description	6.2	resdesc

6.3 Distribution Liability

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	Statement of the liability assumed by the distributor. This field has a free text domain. Other Title(s): OM: Disclaimer						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>	<i>"The Department has made every effort to ensure the accuracy of the data and further stipulates that the user of the data assumes all risks associated with the use of the data."</i> <i>"The information contained herein is a geographic representation only and should not be used for legal purposes or navigation. Though effort has been made to ensure the information is free from error, please note that the information may not be the most current available. The Department assumes no responsibility for any errors or omissions contained herein."</i> <i>"Data is thought to be of high quality. However, this data is provided to any user with the understanding that the quality of data cannot be guaranteed 100% accurate."</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Distribution Liability</td><td>6.3</td><td>distliab</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Distribution Liability	6.3	distliab
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Distribution Liability	6.3	distliab					

6.4 Standard Order Process

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The common ways in which the data set may be obtained or received, and related instructions and fee information.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	6.4 (Standard Order Process) = (6.4.1 OR 6.4.2) + 6.4.3 + 6.4.4						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Standard Order Process</td><td>6.4</td><td>stdorder</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Standard Order Process	6.4	stdorder
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Standard Order Process	6.4	stdorder					

6.4.1 Non-digital Form

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	The description of options for obtaining the data set on non-computer-compatible media. This field has a free text domain.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>	<i>Paper (From "Coastal")</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Non-digital Form</td><td>6.4.1</td><td>nondig</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Non-digital Form	6.4.1	nondig
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Non-digital Form	6.4.1	nondig					

6.4.2 Digital Form

Mandatory or Optional: optional

Definition: The description of options for obtaining the data set on computer-compatible media.

Field Type: Compound

Production Rules or Domain Values: 6.4.2 (Digital Form) =
6.4.2.1 + 6.4.2.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Digital Form	6.4.2	digform

6.4.2.1 Digital Transfer Information

Mandatory or Optional: optional

Definition: Description of the form of the data to be distributed.

Field Type: Compound

Production Rules or Domain Values: 6.4.2.1 (Digital Transfer Information) =
6.4.2.1.1 + (6.4.2.1.2 OR 6.4.2.1.3) + 6.4.2.1.7

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Digital Transfer Information	6.4.2.1	diginfo

6.4.2.1.1 Format Name

Mandatory or Optional: optional

Definition: The name of the data transfer format.
This field has a domain of: "Caris NTX", "MapInfo Tables", "Shapefiles", and a free text option.

Other Title(s):

OM, Topo, Ortho:
File Format Name

Aerial:
Scanned Photo File Format

Field Type: Data

Production Rules or Domain Values: "Caris NTX"
"MapInfo Tables"
"Shapefiles"
or free text

Examples: DXF

FAQ/Notes: FAQ: The format I use isn't included in the list! What should I do?
A: As described in the domain, users can add items to the list (the domain allows "free text"). Please use a character string different from those in the list, preferably the full name of the file format, and include the acronym (usually the filename extension) in brackets.

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Format Name	6.4.2.1.1	formname

6.4.2.1.2 Format Version

Mandatory or Optional: optional

Definition: Version number or name of the file format used.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: Autocad Version 2.0

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Format Version	6.4.2.1.2	formvern

6.4.2.1.3 Format Version Date

Mandatory or Optional: optional

Definition: Date (or just year) of the version of the file format.
This field has a domain of yyyy-mm-dd.

Field Type: Data

Production Rules or Domain Values: yyyy-mm-dd

Examples: 1983-04-01

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Format Version Date	6.4.2.1.3	formverd

6.4.2.1.7 Transfer Size

Mandatory or Optional: optional

Definition: The size, or estimated size, of the transferred data set in gigabytes, megabytes, or kilobytes.
This field has a numeric value option.

Field Type: Data

Production Rules or Domain Values: numeric value

Examples: 1.2 Gb - uncompressed; 370 Mb - compressed (in MapInfoTable format) / 2.228 Gb - uncompressed; 740 Mb - compressed (in Esri Shapefile format) (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Transfer Size	6.4.2.1.7	transize

6.4.2.2 Digital Transfer Option

Mandatory or Optional: optional

Definition: The means and media by which a data set is obtained from the distributor.

Field Type: Compound

Production Rules or Domain Values: 6.4.2.2 (Digital Transfer Option) =
6.4.2.2.1 OR 6.4.2.2.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Digital Transfer Option	6.4.2.2	digtopt

6.4.2.2.1 Online Option

Mandatory or Optional: optional

Definition: Information required to directly obtain the data set electronically.

Field Type: Compound

Production Rules or Domain Values: 6.4.2.2.1 (Online Option) =
6.4.2.2.1.1 + 6.4.2.2.1.2 + 6.4.2.2.1.3

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Online Option	6.4.2.2.1	onlinopt

6.4.2.2.1. Computer Contact Information

1

Mandatory or Optional: optional

Definition: Instructions for establishing communications with the host server.

Field Type: Compound

Production Rules or Domain Values: 6.4.2.2.1.1 (Computer Contact Information) =
6.4.2.2.1.1.1

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Computer Contact Information	6.4.2.2.1.1	computer

6.4.2.2.1. Network Address

1.1

<i>Mandatory or Optional:</i>	optional		
<i>Definition:</i>	The electronic address from which the data set can be obtained from the host server.		
<i>Field Type:</i>	Compound		
<i>Production Rules or Domain Values:</i>	6.4.2.2.1.1.1 (Network Address) = 6.4.2.2.1.1.1.1		
<i>Examples:</i>	N/A		
<i>FAQ/Notes:</i>			
<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Network Address	6.4.2.2.1.1.1	networka

6.4.2.2.1. Access Data Online

1.1.1

<i>Mandatory or Optional:</i>	mandatory		
<i>Definition:</i>	The name of the file or service from which the data set can be obtained.		
<i>Field Type:</i>	Data		
<i>Production Rules or Domain Values:</i>	URL format: http://... or ftp://...		
<i>Examples:</i>	<i>http://www.gov.ns.ca/snsmr/land/standards/pdf/control.pdf (From "Nova Scotia Coordinate Referencing System Database, Nova Scotia, Canada" SNSMR-NSGC)</i>		
<i>FAQ/Notes:</i>	FAQ: What is a Network Resource Name? A: The Network Resource Name is the name of the file or service from which the data set can be obtained from a distributor. Different distributors that provide online access to a data set probably would do so from different sites. The Online Linkage is the name of the file or service maintained by the originator (when used with "Citation") or the name of the file or service from which the data set was obtained (when used with "Source Citation").		
<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Network Resource Name	6.4.2.2.1.1.1.1	networkr

6.4.2.2.1. Access Instructions

2

<i>Mandatory or Optional:</i>	optional		
<i>Definition:</i>	Instructions on the steps required to access the data set. This field has a free text domain.		
<i>Field Type:</i>	Data		
<i>Production Rules or Domain Values:</i>	free text		
<i>Examples:</i>			
<i>FAQ/Notes:</i>			
<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Access Instructions	6.4.2.2.1.2	accinstr

6.4.2.2.1. Online Computer and Operating System

3

Mandatory or Optional: optional

Definition: The brand of host server and its operating system.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Online Computer and Operating System	6.4.2.2.1.3	oncomp

6.4.2.2.2 Offline Option

Mandatory or Optional: optional

Definition: Information about media-specific options for receiving the data set.

Field Type: Compound

Production Rules or Domain Values: 6.4.2.2.2 (Offline Option) =
6.4.2.2.2.1

Examples: N/A

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Offline Option	6.4.2.2.2	offoptn

6.4.2.2.2. Offline Media

1

Mandatory or Optional: optional

Definition: Name of the media on which the data set can be received.

Field Type: Data

Production Rules or Domain Values: "CD-ROM"
"3-1/2 inch floppy disk"
or free text

Examples: CD-Rom (From "Coastal")

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Offline Media	6.4.2.2.2.1	offmedia

6.4.3 Fees

Mandatory or Optional: mandatory

Definition: The fees and terms for retrieving the data set.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: \$20 per digital mapsheet; hardcopy are custom outputs charged at \$100.00 per hour with delivery subject to program scheduling. If you have any further questions please contact the distributor. (From "Nova Scotia Wetlands and Coastal Habitats Inventory, Canada" - DNR Wildlife)

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Fees	6.4.3	fees

6.4.4 Ordering Instructions

Mandatory or Optional: optional

Definition: General instructions and advice about, and special terms and services provided for the data set by the distributor.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Ordering Instructions	6.4.4	ordering

6.5 Terms, Processes, and Conditions for Custom Orders

Mandatory or Optional: optional

Definition: Description of custom distribution services available, and the terms and conditions for obtaining these services.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Custom Order Process	6.5	custom

6.6 Technical Prerequisites

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	Description of any technical capabilities that the user must have to use the data set in the form(s) provided by the distributor. This field has a free text domain.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>							
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Technical Prerequisites</td><td>6.6</td><td>techpreq</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Technical Prerequisites	6.6	techpreq
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Technical Prerequisites	6.6	techpreq					

7 SECTION 7: METADATA REFERENCE INFORMATION

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Information on the currentness of the metadata, and the person responsible for its updates.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	7 (Metadata Reference Information) = 7.1 + 7.2 + 7.4 + 7.5 + 7.6 + 7.8 + 7.9 + 7.10 + 7.11						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Metadata Reference Information</td><td>7</td><td>metainfo</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Metadata Reference Information	7	metainfo
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Metadata Reference Information	7	metainfo					

7.1 Metadata Date (Original)

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The date that the metadata was created or last updated. This field has a domain of yyyy-mm-dd. Other Title(s): OM, Topo, Ortho, Aerial: Metadata Date						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	yyyy-mm-dd						
<i>Examples:</i>	2002-11-07 (From "Coastal")						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Metadata Date</td><td>7.1</td><td>metd</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Metadata Date	7.1	metd
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Metadata Date	7.1	metd					

7.2 Metadata Review Date

Mandatory or Optional: mandatory

Definition: The date of the latest review of the metadata entry.
This field has a domain of yyyy-mm-dd.

Field Type: Data

Production Rules or Domain Values: yyyy-mm-dd

Examples: 2005-01-21 (From "Coastal")

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Metadata Review Date	7.2	metrd

7.3 Future Review Date

Mandatory or Optional: mandatory

Definition: The date by which the metadata entry should be reviewed.
This field has a domain of yyyy-mm-dd (must be later than "Metadata Review Date (7.2)).

Field Type: Data

Production Rules or Domain Values: yyyy-mm-dd
note: "Metadata Future Review Date" must be later than "Metadata Review Date" (7.2).

Examples: 2005-09-21 (From "Coastal")

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Metadata Future Review Date	7.3	metfrd

7.4 Metadata Contact

Mandatory or Optional: mandatory

Definition: The person and/or organization responsible for the metadata information.

Field Type: Compound

Production Rules or Domain Values: 7.4 (Metadata Contact) =
Contact Information (see Section 10)

Examples: N/A

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Metadata Contact	7.4	metc

7.5 Metadata Standard Name

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The name of the metadata standard used to document the data set. Nova Scotia's metadata profile is based on the "FGDC Content Standard for Digital Geospatial Metadata", therefore, this is the only available domain to populate this field.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"FGDC Content Standard for Digital Geospatial Metadata"						
<i>Examples:</i>	<i>FGDC Content Standard for Digital Geospatial Metadata (From "Coastal")</i>						
<i>FAQ/Notes:</i>	FAQ: Why can't I edit this element in the metadata editing tool? A: The NS Standard is based upon the FGDC CSDGM and therefore the edit tool is also based upon that standard. If you follow a different standard and would still like to use the NS editing tool to document your metadata, please contact the portal administrator.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Metadata Standard Name</td><td>7.5</td><td>metstdn</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Metadata Standard Name	7.5	metstdn
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Metadata Standard Name	7.5	metstdn					

7.6 Metadata Standard Version

<i>Mandatory or Optional:</i>	optional						
<i>Definition:</i>	Identification of the version of the metadata standard used to document the data set. This field has a domain of: "Version 2 - FGDC-STD-001-1998" or free text.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"Version 2 - FGDC-STD-001-1998" or free text						
<i>Examples:</i>	<i>Version 2 - FGDC-STD-001-1998 (CSDGM)</i>						
<i>FAQ/Notes:</i>	FAQ: Why can't I edit this element in the metadata editing tool? A: The NS Standard is based upon the FGDC CSDGM and therefore the edit tool is also based upon that standard. If you follow a different standard and would still like to use the NS editing tool to document your metadata, please contact the portal administrator.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Metadata Standard Version</td><td>7.6</td><td>metstdv</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Metadata Standard Version	7.6	metstdv
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Metadata Standard Version	7.6	metstdv					

7.8 Metadata Access Constraints

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	Restrictions and legal prerequisites for accessing the metadata. These include any access constraints applied to assure the protection of privacy or intellectual property, and any special restrictions or limitations on obtaining the metadata. This field has a free text domain.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>	<i>Government access only</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Metadata Access Constraints</td><td>7.8</td><td>metac</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Metadata Access Constraints	7.8	metac
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Metadata Access Constraints	7.8	metac					

7.9 Metadata Use Constraints

Mandatory or Optional: optional

Definition: Restrictions and legal prerequisites for using the metadata after access is granted. These include any metadata use constraints applied to assure the protection of privacy or intellectual property, and any special restrictions or limitations on using the metadata.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Metadata Use Constraints	7.9	metuc

7.10 Metadata Security Information

Mandatory or Optional: optional

Definition: Handling restrictions imposed on the metadata because of national security, privacy, or other concerns.

Field Type: Compound

Production Rules or Domain Values: 7.10 (Metadata Security Information) =
7.10.1 + 7.10.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Metadata Security Information	7.10	metsi

7.10.1 Metadata Security Classification System

Mandatory or Optional: optional

Definition: Name of the classification system for the metadata.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples:

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Metadata Security Classification System	7.10.1	metscs

7.10.2 Metadata Security Classification

Mandatory or Optional: optional

Definition: Name of the handling restrictions on the metadata.

Field Type: Data

Production Rules or Domain Values: "Top secret"
"Secret"
"Confidential"
"Restricted"
"Unclassified"
"Sensitive"
"Nova Scotia Government Only"
"Division Only"
or free text

Examples:

FAQ/Notes: * These elements would be very useful in the event of a FOIPOP situation or similar, where the custodian wishes to impose restrictions on public knowledge of the dataset for whatever reason.

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Metadata Security Classification	7.10.2	metsc

7.11 Metadata Extensions

Mandatory or Optional:

Definition: A reference to other elements in Section 7: Metadata Reference Information.

Field Type: Compound

Production Rules or Domain Values: 7.11 (Metadata Extensions) =
7.11.1 + 7.11.2

Examples:

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Metadata Extensions	7.11	metprof

7.11.1 Online Linkage (Metadata)

Mandatory or Optional: optional

Definition: The name of an online computer resource that contains the metadata extension information for the data set. Entries should follow the Uniform Resource Locator (URL) convention of the Internet (<http://...> or <ftp://...>).

Field Type: Data

Production Rules or Domain Values: URL format: <http://...> or <ftp://...>

Examples: <http://www.gov.ns.ca/snsmr/12345-42.xml>

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Online Linkage (Metadata)	7.11.1	onlink

7.11.2 Profile Name

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The name given to a document that describes the application of the Standard to a specific user community. This field has a fixed domain of: "Nova Scotia Content Standard for Geospatial Metadata"						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"Nova Scotia Content Standard for Geospatial Metadata"						
<i>Examples:</i>	<i>Nova Scotia Profile for Geographic Metadata</i>						
<i>FAQ/Notes:</i>	* also un-editable by custodians, admin use only.						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Profile Name</td><td>7.11.2</td><td>metprof</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Profile Name	7.11.2	metprof
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Profile Name	7.11.2	metprof					

**8 SECTION 8:
CITATION INFORMATION**

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The recommended reference to be used for the data set. (Note: this section is never used alone. This section provides a means of stating the citation of a data set, and is used in other sections of the metadata standard, including Section 1: Identification Information.)						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	8 (Citation Information) = 8.1 + 8.2 + 8.4 + 8.5 + 8.6 + 8.7 + 8.8 + 8.9 + 8.10 + 8.11						
<i>Examples:</i>	<i>N/A</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Citation Information</td><td>8</td><td>citeinfo</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Citation Information	8	citeinfo
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Citation Information	8	citeinfo					

8.1 Department, Division, Branch

Mandatory or Optional: mandatory

Definition: The name of an organization or individual that developed and has ownership of the data set. Expressed as: "Department, Division, Branch".
This field has a domain of: free text, or "Unknown".

Other Title(s):

OM, Topo, Ortho:
Series Owner

Field Type: Data

Production Rules or Domain Values: free text
or "Unknown"

Examples: *Service Nova Scotia and Municipal Relations, Registry and Information Management Services, Nova Scotia Geomatics Centre (From "Coastal")*
Nova Scotia Department of Natural Resources, Renewable Resources Branch, Wildlife Division (From "Furbearers and Upland Game Program: Export Permits, Nova Scotia, Canada - FoxPro Database" - DNR Wildlife)

FAQ/Notes: FAQ: What is the difference between the "Originator" in compound element "Citation" and the "Point of Contact" element?
A: The "Originator" is the person(s) and organization(s) that developed the data set. The "Point of Contact" is the person(s) and organization(s) that can be contacted if questions arise about the data set. The "Originator" and the "Point of Contact" may be the same.

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Originator	8.1	origin

8.2 Publication Date: Existing or Anticipated

Mandatory or Optional: mandatory

Definition: The date when the data set is published or otherwise made available for release.
This field has a domain of: yyyy-mm-dd, "Unknown", or "Unpublished material".

Field Type: Data

Production Rules or Domain Values: yyyy-mm-dd
"Unknown"
"Unpublished material"

Examples: 2005-10-05

FAQ/Notes: FAQ: What if my product is not ready for publication?
A: You would select N/A in the edit tool.

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Publication Date	8.2	pubdate

8.4 Title

Mandatory or Optional: mandatory

Definition: The name by which the data set is known.
This field has a free text domain.

Other Titles:

OM, Topo, Ortho, Aerial:
Related Metadata Records

OM:
Orthophoto Map Number; Orthophoto Name; Geoname

Topo:
Sheet Number; Mapname

Ortho:
Orthophoto Number / Name; Geoname; Related Air Photos

Aerial: Frame; Roll Number

Field Type: Data

Production Rules or Domain Values: free text

Examples: 1:50000 Coastal Series, Nova Scotia, Canada (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Title	8.4	title

8.5 Edition Number

Mandatory or Optional: mandatory

Definition: The version of the title.
This field has a free text domain.

Other Title(s):

OM, Topo:
Edition

Field Type: Data

Production Rules or Domain Values: free text

Examples: 1 (From "Sea Kayak Routes of Nova Scotia, Canada" - Health Promotion)

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Edition	8.5	edition

8.6 Format

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	<p>The mode in which the geospatial data are represented.</p> <p>This field has a domain of: "Atlas", "Audio", "Diagram", "Digital", "Document", "Film", "Globe", "In-situ Measurement", "Map", "Model", "Multimedia Presentation", "Navigational Chart", "Paper", "Photo", "Raster Digital Data", "Remote-sensing Data", "Section", "Spreadsheet", "Study", "Tabular Digital Data", "Vector Digital Data", "Video", "View", "Website", "Portable Document Format (PDF)", and a free text option.</p> <p>Other Title(s):</p> <p>OM: Presentation Format</p>						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"Atlas" "Audio" "Diagram" "Digital" "Document" "Film" "Globe" "In-situ Measurement" "Map" "Model" "Multimedia Presentation" "Navigational Chart" "Paper" "Photo" "Raster Digital Data" "Remote-sensing Data" "Section" "Spreadsheet" "Study" "Tabular Digital Data" "Vector Digital Data" "Video" "View" "Website" "Portable Document Format (PDF)" or free text						
<i>Examples:</i>	<i>Orthophoto Maps example: Digital Vector Data</i>						
<i>FAQ/Notes:</i>	<p>FAQ: When is the Geospatial Data Presentation Form element used?</p> <p>A: The Geospatial Data Presentation Form is to identify the style with which the originator intended that the information be presented to the user. For example, a paper map would have a "map" geospatial presentation form. A scanned image of a map also has "map" as the geospatial presentation form. Vector data digitized from a map would not have a presentation form if no particular method of presenting the data to users was intended by the originator.</p>						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Geospatial Data Presentation Form</td><td>8.6</td><td>geoform</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Geospatial Data Presentation Form	8.6	geoform
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Geospatial Data Presentation Form	8.6	geoform					

8.7 Is the dataset part of a larger dataset?

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The identification of the series publication of which the data set is a part.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	8.7 (Series Information) = 8.7.1 + 8.7.2						
<i>Examples:</i>	<i>N/A</i>						
<i>FAQ/Notes:</i>	<p>FAQ: What is a series?</p> <p>A: A series is a succession of volumes or issues published with related subjects or authors, similar format and price, or continuous numbering.</p>						
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Series Information</td><td>8.7</td><td>serinfo</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Series Information	8.7	serinfo
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Series Information	8.7	serinfo					

8.7.1 Title (Series)

Mandatory or Optional: mandatory

Definition: The name of the series publication of which the data set is a part.
This field has a free text domain.

Other Title(s):

OM, Topo, Ortho:
Series Name

Aerial:
Contract Number

Field Type: Data

Production Rules or Domain Values: free text

Examples: *Nova Scotia Topographic Database (NSTDB) (From "Coastal")*

FAQ/Notes:

FGDC References: FGDC Field Title FGDC No. FGDC Short Name
 Series Name 8.7.1 surname

8.7.2 Sheet Number (Series)

Mandatory or Optional: mandatory

Definition: Information identifying the issue of the series publication of which the data set is a part.
This field has a free text domain.

Other Title(s):

NS Tool:
Section, Page Number (Book or Atlas)

Field Type: Data

Production Rules or Domain Values: free text

Examples: *The Landsat-7 satellite's payload includes the ETM+ sensor. The ETM+ sensor is an enhanced version of the TM sensor flown aboard the Landsat-4 and -5 satellites. Sensor enhancements include the addition of the panchromatic band and two gain ranges, improved spatial resolution for the thermal band, and the addition of two solar calibrators. (From Landsat 7 Orthorectified Imagery over Canada - <http://geodiscover.cgdi.ca/gdp/search?action=fullMetadata&entryType=productCollection&entryId=1583&entryLang=en&portal=gdp>)*

FAQ/Notes:

FGDC References: FGDC Field Title FGDC No. FGDC Short Name
 Issue Identification 8.7.2 issue

8.8 Publication Information

Mandatory or Optional: mandatory

Definition: Publication details for published data sets.

Field Type: Compound

Production Rules or Domain Values: 8.8 (Publication Information) =
8.8.1 + 8.8.2

Examples: N/A

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Publication Information	8.8	pubinfo

8.8.1 Publication Place

Mandatory or Optional: mandatory

Definition: The name of the city (and province, and country) where the data set was published.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: Amherst, Nova Scotia, Canada (From "Coastal")

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Publication Place	8.8.1	pubplace

8.8.2 Publisher

Mandatory or Optional: mandatory

Definition: The name of the individual or organization that published the data set.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: Service Nova Scotia and Municipal Relations, Registry and Information Management Services, Nova Scotia Geomatics Centre (From "Coastal")

FAQ/Notes: FAQ: Should Publisher be different from Originator?
A: For most NS records, Publisher and Originator tend to be the same. However, if the data set was created by one department (or branch), but is published by another department (or branch), then they would be different.

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Publisher	8.8.2	publish

8.9 Other Citation Details

Mandatory or Optional: mandatory

Definition: Other information required to complete the citation, specifically reference(s) to adjoining data sets and/or flight reports, in the case of scanned aerial photographs.
This field has a free text domain.

Other Title(s):

Aerial:
Flight Report

Field Type: Data

Production Rules or Domain Values: free text

Examples: *Flight Report: Line 31 Flight Report available through NSGC.*

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Other Citation Details	8.9	othercit

8.10 Online Linkage

Mandatory or Optional: mandatory

Definition: The name of an online computer resource that contains the data set. Entries should follow the Uniform Resource Locator (URL) convention of the Internet (<http://...> or <ftp://...>).

Field Type: Data

Production Rules or Domain Values: URL format: <http://...> or <ftp://...>

Examples: *Access Link format: http://www.gov.ns.ca/snsmr/land/contact/order_digital.asp (From "Coastal")*
http://www.trails.gov.ns.ca/kayak/kayak_index.html (From "Sea Kayak Routes of Nova Scotia, Canada" - Health Promotion)

Email Link format: klegere@nsgc.gov.ns.ca (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Online Linkage	8.10	onlink

8.11 Book or Atlas Reference

Mandatory or Optional: mandatory

Definition: The information identifying a larger work in which the data set is included.

Field Type: Compound

Production Rules or Domain Values: 8.11 (Larger Work Citation) =
Citation Information (see Section 8)

Examples: *N/A*

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Larger Work Citation	8.11	lworkcit

**9 SECTION 9:
TIME PERIOD INFORMATION**

Mandatory or Optional: mandatory

Definition: Information about the date and time of the data set. (Note: this section provides a means of stating temporal information, and is used by other sections of the metadata standard. This section is never used alone.)

Field Type: Compound

Production Rules or Domain Values: 9 (Time Period Information) =
9.1 OR 9.2 OR 9.3

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Time Period Information	9	timeinfo

9.1 Single Date

Mandatory or Optional: mandatory

Definition: Means of encoding a single date and time.

Field Type: Compound

Production Rules or Domain Values: 9.1 (Single Date) =
9.1.1

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Single Date/Time	9.1	sngdate

9.1.1 Calendar Date

Mandatory or Optional: mandatory

Definition: The year (and optionally month, or month and day).
This field has a domain of: yyyy-mm-dd, or "Unknown".

Field Type: Data

Production Rules or Domain Values: yyyy-mm-dd
or "Unknown"

Examples: 2005-10-06

FAQ/Notes:

<i>FGDC References:</i>	<u><i>FGDC Field Title</i></u>	<u><i>FGDC No.</i></u>	<u><i>FGDC Short Name</i></u>
	Calendar Date	9.1.1	caldate

9.2 Multiple Dates

Mandatory or Optional: mandatory

Definition: Means of encoding multiple individual dates and times.

Field Type: Compound

Production Rules or Domain Values: 9.2 (Multiple Dates/Times) =
9.1 (repeat as necessary)

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Multiple Dates/Times	9.2	mdattim

9.3 Range of Dates

Mandatory or Optional: mandatory

Definition: Means of encoding a range of dates and times.

Field Type: Compound

Production Rules or Domain Values: 9.3 (Range of Dates/Times) =
9.3.1 + 9.3.3

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Range of Dates/Times	9.3	rngdates

9.3.1 Beginning Date

Mandatory or Optional: mandatory

Definition: The first year (and optionally month, or month and day) of the time period of the data set. This field has a domain of: yyyy-mm-dd, or "Unknown".

Other Title(s):

Topo:
Original Production Date

Digital Topographic Data Metadata Standard Definition: The date the map was first created.

Field Type: Data

Production Rules or Domain Values: yyyy-mm-dd
or "Unknown"

Examples: 1982-05-01 (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Beginning Date	9.3.1	begdate

9.3.3 Ending Date

Mandatory or Optional: mandatory

Definition: The last year (and optionally month, or month and day) of the time period of the data set. This field has a domain of: yyyy-mm-dd, "Present", or "Unknown".

Other Title(s):

Topo:
Revision Date

Digital Topographic Data Standard Definition: The date of the latest data revision.

Field Type: Data

Production Rules or Domain Values: yyyy-mm-dd
"Present"
or "Unknown"

Examples: 1999 (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Ending Date	9.3.3	enddate

10 SECTION 10: CONTACTS

Mandatory or Optional: mandatory

Definition: Identity of, and means to communicate with, person(s) and organization(s) associated with the data set. (Note: This section provides a means of identifying individuals and organizations, and is referenced within other sections of the metadata standard. This section is never used alone.)

Field Type: Compound

Production Rules or Domain Values: 10 (Contact Information) =
10.1 + 10.3 + 10.4 + 10.5 + 10.7 + 10.8 + 10.9

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Contact Information	10	cntinfo

10.1 Technical (or Distribution, Metadata, or Process) Contact

Mandatory or Optional: mandatory

Definition: The person, and the affiliation of the person, associated with the data set. Used in cases where the association of the person to the data set is more significant than the association of the organization to the data set.

Field Type: Compound

Production Rules or Domain Values: 10.1 (Contact Person Primary) =
10.1.1 + 10.1.2

Examples: N/A

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Contact Person Primary	10.1	cntperp

10.1.1 Name (Technical, Distribution, Metadata, or Process Contact)

Mandatory or Optional: mandatory

Definition: The name of the individual to which the contact type applies.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: *David Cody (From "Coastal")*

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Contact Person	10.1.1	cntper

10.1.2 Organization (Technical, Distribution, Metadata, or Process Contact)

Mandatory or Optional: mandatory

Definition: The name of the organization.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: *Service Nova Scotia and Municipal Relations, Registry and Information Management Services, Nova Scotia Geomatics Centre (From "Coastal")*

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Contact Organization	10.1.2	cntorg

10.3 Position (Technical, Distribution, Metadata, or Process Contact)

Mandatory or Optional: mandatory

Definition: The title of the position held by the individual within the organization.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: *Coordinator, Special Projects (From "Coastal")*

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Contact Position	10.3	cntpos

10.4 Contact Address*

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The address for the organization or individual.						
<i>Field Type:</i>	Compound						
<i>Production Rules or Domain Values:</i>	10.4 (Contact Address) = 10.4.1 + 10.4.2 + 10.4.3 + 10.4.4 + 10.4.5 + 10.4.6						
<i>Examples:</i>	N/A						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Contact Address</td><td>10.4</td><td>cntaddr</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Contact Address	10.4	cntaddr
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Contact Address	10.4	cntaddr					

10.4.1 Address Type (Technical, Distribution, Metadata, or Process Contact)

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	The information provided by the address. This field has a fixed domain of: "mailing", "physical", or "mailing and physical".						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	"mailing" "physical" "mailing and physical"						
<i>Examples:</i>	<i>mailing and physical (From "Coastal")</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Address Type</td><td>10.4.1</td><td>addrtype</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Address Type	10.4.1	addrtype
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Address Type	10.4.1	addrtype					

10.4.2 Address (Technical, Distribution, Metadata, or Process Contact)

<i>Mandatory or Optional:</i>	mandatory						
<i>Definition:</i>	A street or post office box address. This field has a free text domain.						
<i>Field Type:</i>	Data						
<i>Production Rules or Domain Values:</i>	free text						
<i>Examples:</i>	<i>160 Willow Street (From "Coastal")</i>						
<i>FAQ/Notes:</i>							
<i>FGDC References:</i>	<table><thead><tr><th><u>FGDC Field Title</u></th><th><u>FGDC No.</u></th><th><u>FGDC Short Name</u></th></tr></thead><tbody><tr><td>Address</td><td>10.4.2</td><td>address</td></tr></tbody></table>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>	Address	10.4.2	address
<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>					
Address	10.4.2	address					

10.4.3 City (Technical, Distribution, Metadata, or Process Contact)

Mandatory or Optional: mandatory

Definition: The city of the address.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: Amherst (From "Coastal")

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
City	10.4.3	city

10.4.4 Province (Technical, Distribution, Metadata, or Process Contact)

Mandatory or Optional: mandatory

Definition: The province of the address.
This field has a fixed domain of: "Nova Scotia".

Field Type: Data

Production Rules or Domain Values: "Nova Scotia"

Examples: Nova Scotia (From "Coastal")

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Province	10.4.4	state

10.4.5 Postal Code (Technical, Distribution, Metadata, or Process Contact)

Mandatory or Optional: mandatory

Definition: The postal code of the address.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: B4H 3W5 (From "Coastal")

FAQ/Notes:

FGDC References:

<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
Postal Code	10.4.5	postal

10.4.6 Country (Technical, Distribution, Metadata, or Process Contact)

Mandatory or Optional: mandatory

Definition: The country of the address.
This field has a fixed domain of: "Canada".

Field Type: Data

Production Rules or Domain Values: "Canada"

Examples: Canada (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Country	10.4.6	country

10.5 Voice Telephone (Technical, Distribution, Metadata, or Process Contact)

Mandatory or Optional: mandatory

Definition: The telephone number by which individuals can speak to the organization or individual.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: +01-902-667-6422 (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Contact Voice Telephone	10.5	cntvoice

10.7 Fax (Technical, Distribution, Metadata, or Process Contact)

Mandatory or Optional: mandatory

Definition: The telephone number of a facsimile machine of the organization or individual.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: +01-902-667-6299 (From "Coastal")

FAQ/Notes:

<i>FGDC References:</i>	<u>FGDC Field Title</u>	<u>FGDC No.</u>	<u>FGDC Short Name</u>
	Contact Facsimile Telephone	10.7	cntfax

10.8 Email Address (Technical, Distribution, Metadata, or Process Contact)

Mandatory or Optional: mandatory

Definition: The address of the electronic mailbox of the organization or individual.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: *dcody@nsgc.gov.ns.ca (From "Coastal")*

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Contact Electronic Mail Address	10.8	cntemail

10.9 Hours of Service (Technical, Distribution, Metadata, or Process Contact)

Mandatory or Optional: mandatory

Definition: Time period when individuals can speak to the organization or individual.
This field has a free text domain.

Field Type: Data

Production Rules or Domain Values: free text

Examples: *Monday - Friday 8:30 - 4:00 pm*

FAQ/Notes:

<i>FGDC References:</i>	<i>FGDC Field Title</i>	<i>FGDC No.</i>	<i>FGDC Short Name</i>
	Hours of Service	10.9	hours