EXERCISE

ArcCatalog Metadata Element Locator for XMLInput.

Goal: Develop efficient processes to support metadata entry

Objectives:

1. Become more familiar with the ArcCatalog and XMLInput Metadata Entry Tools
2. Develop a crosswalk reference table between ArcCatalog and XMLInput
3. Develop your own reference material for your use (and your organization's broader use) later!

Instructions:

1. Start ArcCatalog
2. Open the Counties metadata file in ArcCatalog (first Copy the DATA folder from your CD to the Desktop if you have not already done so)
   Note that the metadata elements in this Counties file are mostly empty…it is a sign of the times!
3. You will create a cross-walk that will link ArcCatalog with the XMLInput. This crosswalk should help you to become more familiar with the locations of metadata elements in ArcCatalog.
4. Reference the <ArcCatalog-XMLInput> document on the following page ArcCatalog (i.e. which Tab each element can be found under, and any sub-menus as well).

XMLInput – ArcCatalog Crosswalk

FGDC Identifier	*XMLInput Element Name*	*ArcCatalog Location (tab name)*	*Description*	*Example Element Entry*
1.2.1	**Abstract**		A summary of what is in the data set.	Transportation infrastructure is a significant concern for industrial and manufacturing facilities. The locations of commercial and general aviation airports relative to available industrial sites and buildings is an important piece of information frequently asked for by prospects considering Virginia for their next manufacturing facility.
1.2.2	**Purpose**		A summary of why the data set was developed.	The purpose of this data set is to provide a geographic representation of the location of each general aviation and commercial airport in the "your state". This data combined with infrastructure, utility, environmental sensitivity, labor, demographics and quality of life data are used to select sites and buildings for industrial development based on a prospect's needs.
1.2.3	**Supplemental Information**		Other descriptive information about the data set.	Some of the airports were collected from aviation charts, others were collected from other sources, including DRG's, and GPS.

1.4.1	**Progress**		The status of the data set development.	Complete
1.4.2	**Maintenance and Update Frequency**		The frequency with which changes and additions are made to the data set after the initial data set is completed.	Continually
1.5.1.1	**West Bounding Coordinate**		Western-most coordinate of the limit of coverage expressed in longitude, in decimal degrees.	-83.7500
1.5.1.2	**East Bounding Coordinate**		Eastern-most coordinate of the limit of coverage expressed in longitude, in decimal degree.	-75.1250
1.5.1.3	**North Bounding Coordinate**		Northern-most coordinate of the limit of coverage expressed in latitude, in decimal degree.	39.5000
1.5.1.4	**South Bounding Coordinate**		Southern-most coordinate of the limit of coverage expressed in latitude, in decimal degree.	36.5000
1.6.1	**Theme Keywords**		Words or phrases summarizing the theme of the data set.	Airport, aviation
1.6.2	**Place Keywords**		Words or phrases summarizing the place of the data set.	"your state"
1.6.4	**Temporal Keyword**		Words or phrases summarizing the period of time covered by the data set.	1994
1.7	**Access Constraints**		Restrictions and legal prerequisites for accessing the data set. These include any access constraints applied to assure the protection of privacy or intellectual property, and any special restrictions or limitations on obtaining the data set.	Data licensed for public agency use only.
1.8	**Use Constraints**		Restrictions and legal prerequisites for using the data set after access is granted	none

			(ex. transferring to others).	
2.3	**Completeness Report**		Information about omissions, selection criteria, generalization, definitions used, and other rules used to derive the data set that may affect the completeness of content of the data.	All general aviation and commercial airports in "your state" are included.
2.4.1.2.1	**Horizontal Positional Accuracy Repor**		A statement or explanation of the accuracy of the horizontal position of the spatial objects in the data set and a description of the tests conducted to determine the horizontal spatial accuracy of the data set.	The horizontal positional accuracy meets 1:24,000 national map accuracy standards.
2.4.2.1	**Vertical Positional Accuracy Report**		An explanation of the accuracy of the vertical positions of spatial objects and a description of the tests conducted to determine the vertical spatial accuracy of the data set.	Not applicable
2.5.1.2	**Source Scale Denominator**		The denominator of the scale fraction of source map(s). Example: on a 1:24000 scale map, the Source Scale Denominator is 24000; on a “100 scale” map (1 inch = 100 feet) the Source Scale Denominator is 1200. If no source maps were used, enter zero (e.g. GPS data). If multiple source map scales were used, enter the Source Scale Denominator of the smallest scale map (largest denominator).	1:24,000
3.2	**Direct Spatial Reference Method**		The system of objects used to represent space in the data set.	Vector

If Geographic Coordinates				
4.1.1.3	**Geographic coordinate Units**		The units of measure used for the latitude and longitude values. “Decimal “Degrees” “Decimal minutes” "Decimal Seconds" “Degrees and decimal minutes” “Degrees, minutes, and decimal seconds” “Radians”, ”Grads”	Not applicable

If UTM				
4.1.2.2.2.1	**UTM Zone Number**		Identifier for the UTM zone number(s) used. "17" represents zone 17 extended to cover the entire state of Virginia. 17	Not applicable

			(ex. transferring to others).	
2.3	**Completeness Report**		Information about omissions, selection criteria, generalization, definitions used, and other rules used to derive the data set that may affect the completeness of content of the data.	All general aviation and commercial airports in "your state' are included.
2.4.1.2.1	**Horizontal Positional Accuracy Repor**		A statement or explanation of the accuracy of the horizontal position of the spatial objects in the data set and a description of the tests conducted to determine the horizontal spatial accuracy of the data set.	The horizontal positional accuracy meets 1:24,000 national map accuracy standards.
2.4.2.1	**Vertical Positional Accuracy Report**		An explanation of the accuracy of the vertical positions of spatial objects and a description of the tests conducted to determine the vertical spatial accuracy of the data set.	Not applicable
2.5.1.2	**Source Scale Denominator**		The denominator of the scale fraction of source map(s). Example: on a 1:24000 scale map, the Source Scale Denominator is 24000; on a “100 scale” map (1 inch = 100 feet) the Source Scale Denominator is 1200. If no source maps were used, enter zero (e.g. GPS data). If multiple source map scales were used, enter the Source Scale Denominator of the smallest scale map (largest denominator).	1:24,000
3.2	**Direct Spatial Reference Method**		The system of objects used to represent space in the data set.	Vector

			NAD83 = North American Datum 1983.	
4.2.1.1	**Altitude Datum Name**		The datum used in the horizontal coordinate system. NAD27 = North American Datum 1927, NAD83 = North American Datum 1983. The datum used in the vertical coordinate system, if applicable. NGVD29 = National Geodetic Vertical Datum of 1929 NAVD88 = North American Vertical Datum of 1988.	Not applicable
4.2.1.3	**Altitude Distance Units**		Units in which altitude is measured. ("meters" "feet")	Not applicable

FGDC Identifier	*XMLInput Element Name*	*ArcCatalog Location*	*Description*	*Example Element Entry*
5.1.2.1	**Attribute Label**		The name of the ten most important fields	Name
5.1.2.2	**Attribute Definition**		The description of the ten most important field attributes.	The name of each Airport

FGDC Identifier	*XMLInput Element Name*	*ArcCatalog Location*	*Description*	*Example Element Entry*
6.1-10.1.1	**Distributor Contact Person**		A person who can receive inquiries regarding the distribution of the data set.	John Doe
6.1-10.1.2	**Distributor Organization**		The name of the organization that can receive inquiries regarding the distribution of the data set.	"Your States" Department of Transportation
6.1-10.5	**Distributor Voice Phone**		The voice phone number, including area code, of the Distributor.	(573)882-6734

6.1-10.7	**Distributor Fax Phone**		The facsimile telephone number, including area code, of the Distributor.	(573)884-4239
6.1-10.8	**Distributor E-mail Address**		The Internet mail address of the Distributor.	jpublic@anyagency.state.??.us
6.4.2.1.7	**Transfer Size**		An estimate of the size of a transfer file in megabytes.	Not applicable