

Eastern Kentucky University

Geographic Information System (GIS) Standards Guideline

Introduction

The purpose of this document is to facilitate the delivery of CAD/GIS drawings and data to the university. The guidelines are intended to allow for integration of new or modified campus facilities and resources to be easily integrated into the university's GIS system. These requirements must be followed by all contractors and A/E firms submitting data, as well as any subcontractors that are used in the delivery of information.

Coordinate System

All georeferenced files must be submitted in the NAD 1983 Kentucky State Plane Single Zone coordinate system (FIPS 1600).

Replace with: All georeferenced files must be submitted in the NAD 1983 (2011) Single Zone coordinate system Kentucky State Plane 1602 (FIPS 1602

Template

A geodatabase template will be provided upon request to assist in the creation of geospatial data. The template provides layers, attributes, domains, and additional requirements.

File Format

All data shall be submitted in an ESRI file geodatabase with the template as guidance, or shapefile(s) that use the provided template's attribute naming conventions and domain values.

Attributes

Feature class attributes are provided in the geodatabase template with possible domain values. Required fields are denoted. A reference document describing attributes, domains, and other important information accompanies this document and database or can be downloaded from the ECU web site. [See Eastern Kentucky University GIS Layers and Metadata]

Supplementary Files (CAD Drawings, Photos, and Additional Electronic Files)

Should supplementary files, such as CAD Drawings, be provided, they will follow the same coordinate system specified in this document. CAD drawings will not be a substitution for GIS data. Acceptable formats are DWG and/or PDF. Supplementary files shall be referenced in the geodatabase with relative file path names.

Metadata

Metadata is required at both the feature level and file level for all GIS files. All features entered in the database shall specify a source citation of where the data originated, the responsible agency, and any collection or accuracy details. The database and/or layers shall also specify the party responsible for its creation and how the data was obtained.