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| GIS Development Standard |

# Purpose

This document describes the Florida Department of Environmental Protection’s (DEP) Geographic Information Systems (GIS) software development standard. This document also references additional guidance and supporting standards necessary to comply with this development environment standard.

# Scope

This standard applies to all GIS software and applications developed for DEP, and any location data stored in DEP enterprise information systems.

# Standard

1. All Web Mapping shall use Map Direct. New components to Map Direct shall be coordinated directly with the GIS Manager in the DEP Office of Technology & Information Services (OTIS).
2. All GIS data that originates from or resides in a DEP Enterprise System shall be compliant with the ***GIS Location Data Standard*** (FL Dept. of Environmental Protection, 2009).
3. All Enterprise GIS data (database or file-based) shall include metadata. For guidance, consult the ***DEP Metadata Guide*** (FL Dept. of Environmental Protection, 2009)at <http://depnet/gis/geodata/metaguide/metadata_guide.xml>.
4. All GIS solutions must comply with the GIS software tools and products identified in the DEP ***IT Infrastructure Environment Specification*** (FL Dept. of Environmental Protection, 2009).

# Deviation from Use

Any deviation from this standard shall be documented in associated project and contract documentation. For contracts, deviation from standard shall be documented and approved by the DEP contract manager. For non-contract work, deviation from use shall be documented in the project plan/scope of work and approved by the project manager.

# Definitions and Abbreviations

1. **GIS**: Geographic Information System.
2. **Location data**: any data that has location information associated with it, i.e. Latitude and Longitude, etc.
3. **Enterprise System**: an information system that is housed in the DEP’s Oracle Enterprise environment.

# Bibliography

FL Dept. of Environmental Protection. (2009, March 23). *Florida Department of Environmental Protection Metadata Guide*. Retrieved March 23, 2009, from FL DEP: http://depnet/gis/geodata/metaguide/metadata\_guide.xml

FL Dept. of Environmental Protection. (2009). *GIS Location Data Standard.* Tallahassee: FL DEP.

FL Dept. of Environmental Protection. (2009). *IT Infrastructure Environment Specification.* Tallahassee: FL DEP.

**Approved by R. John Willmott, CIO \_\_\_\_\_\_\_\_6/18/09\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Approval Date**