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## Chapter 2 - FDOT CADD SOFTWARE

### CADD Production Criteria Handbook

#### 2.1 GENERAL

The Florida Department of Transportation Computer Assisted Design and Drafting (FDOT CADD) software is upgraded periodically as needed to issue enhancements and fixes. Major releases are typically released on CD on a bi-annual basis, while interim Maintenance Releases and Hot fixes are released as required as cumulative service packs from the ECSO website. Notification of new releases and updates are posted on the ECSO website, through various newsletters, training sessions and other venues as appropriate. FDOT uses MicroStation and GEOPAK as its standard graphics and civil design packages. Many of the support and resource files contained in the FDOT CADD software are for these packages.

#### 2.2 DISTRIBUTION

Notification and statewide distribution of CADD software releases and upgrades for installation on FDOT hardware is made by ECSO to the designated CADD IT contacts in the districts using the Enterprise Application known as the Software Distribution Notification Application (SDNA). The District Information Systems Managers (DISMs) and the FDOT CADD Managers are copied during these notices. The designated individual(s) are responsible for management of the software, distribution of licenses, and installation and maintenance on district servers and workstations.

Consultants can acquire the software, fixes and upgrades from:

FDOT Maps & Publications Sales office website:  
<http://www.dot.state.fl.us/mapsandpublications/>

<OR>

Engineering / CADD Systems Office (ECSO) website:  
<http://www.dot.state.fl.us/ecso/>

Some products contained in the FDOT CADD software may require a license file. For further information on how to obtain a license, contact the District CADD Manager, District CADD Information Technology contact, or the ECSO: <http://www.dot.state.fl.us/ecso/main/contacts/>

#### 2.3 SUPPORT

The FDOT CADD support structure and hierarchy is described in the **CADD Manual**. For information on obtaining help or support for the FDOT CADD Software or Core CADD Products, reference **The Florida Department of Transportation Computer Aided Design and Drafting Customer Support Guide** available at:

<http://www.dot.state.fl.us/ecso/downloads/publications/CADDSupportGuide/CADDSupport.shtm>

## 2.4 SUPPORTED PRODUCTS

The Engineering / CADD Systems Office (EC SO) uses and supports a Core group of CADD software products. A list of the current versions of these products, with accompanying technical documentation, is available from:

<http://www.dot.state.fl.us/ecso/main/version/version.shtm>

Additional products used may also be found in the CADD Customer Support Guide mentioned in section 2.3 previously. Most of the core CADD Software products are commercial programs that FDOT has purchased a license to use. FDOT makes no warranty, expressed or implied, as to the documentation, functionality or performance of these or other FDOT developed programs described herein.

## 2.5 MINIMUM SYSTEM REQUIREMENTS

The current FDOT CADD Software (FDOT2008) was developed and tested for FDOT standard workstation configurations. This standard configuration is published in the ***Adopted Information Technology Resource Standards*** and is available from the Department's Office of Information Systems (OIS) intranet website. The FDOT2008 software was certified on Microsoft's Windows XP and Internet Explorer version 6 (or higher) and the versions of the Core CADD products linked in section 2.4 above.

Other software configurations may support FDOT2008; however no substantial testing of the FDOT2008 software has been performed on any other configuration. Use and support of FDOT CADD Software on other configurations is the sole responsibility of the user.

## 2.6 TRANSLATION OF FILES

FDOT requires MicroStation format for the delivery of all graphics design files, except as specifically defined in subsequent CPCH chapters for specific disciplines. In addition, MicroStation shall be used for the production of the Postscript Image files as required by Chapter 3 of the ***CADD Manual***.

The data producer is solely responsible for any translation required to convert non-MicroStation graphics files to the MicroStation design file format (dgn) for delivery to the Department, except those that are acceptable in AutoCAD format (dwg) as defined herein, ensuring the correctness of translation of the graphics design files and adherence to the specifications contained herein and the validity of the geometric elements. All translated design files shall conform to the file naming convention and symbology standards adopted by FDOT for electronic plans as specified herein and mandated by the ***CADD Manual***.