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Chapter 2 - FDOT CADD SOFTWARE

CADD Production Criteria Handbook

2.1 GENERAL

The Florida Department of Transportation (FDOT) Computer Assisted Design and Drafting (CADD) Software is upgraded periodically as needed to issue enhancements and fixes. Both major releases (on a bi-annual basis), as well as interim Maintenance Releases and Hot fixes (released as required as cumulative service packs) are available for download from the Engineering / CADD Systems Office (ECSO) internet website. Notification of new releases and updates are posted on the ECSO website, through various newsletters, at 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 FDOT 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:

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

2.3 SUPPORT

FDOT supports most CADD software used for in-house production as specified herein. Consultant support is generally limited to the FDOT developed software, interfaces, and configurations. The FDOT CADD Manual establishes the hierarchy of CADD related support roles and responsibilities including the **Peer** level, and the **District CADD Manager** support function, to the **Technical Advisory Committees (TACs)**, and ultimately to the **statewide level - ECSO**.

The FDOT CADD **Customer Support Guide** outlines this escalating hierarchical support structure and provides detailed information for the user to access support and assistance. The **Customer Support Guide** can be downloaded from the ECSO Publication website:

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

2.4 SUPPORTED PRODUCTS

The ECSO supports a Core group of CADD software products. A list of the current versions of these products, with some accompanying technical documentation, is available from:

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

Most of the core FDOT CADD Software products are commercial programs that FDOT has purchased a license to use. Note that FDOT makes no warranty, expressed or implied, as to the documentation, functionality or performance of these or other FDOT developed programs described herein.

The FDOT CADD **Customer Support Guide** outlines these products, along with additional products used by FDOT, and provides support information for each. As stated previously, the **Customer Support Guide** can be downloaded from the ECSO Publication website:

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

2.5 MINIMUM SYSTEM REQUIREMENTS

The current FDOT CADD Software 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 FDOT2010 V8i CADD Software was certified on Microsoft's Windows XP (32- and 64-bit), Windows 7 (32- and 64-bit) 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 the current FDOT CADD Software; however no substantial testing has been performed on any other configuration. Use and support of FDOT CADD Software on other configurations are the sole responsibility of the user.

2.6 TRANSLATION OF FILES

FDOT requires MicroStation .DGN format (V8 and higher) for the delivery of all graphics design files, except as specifically defined in subsequent CPCH chapters for specific disciplines. In addition, MicroStation will be used for the production of the Postscript Image files used to represent the plans sheets produced as required by Chapter 3 of the **CADD Manual and outlined in Chapter 6 of this document**.

The data producer is solely responsible for any translation required to convert any non-MicroStation graphics file formats to the MicroStation design file format (.DGN) for delivery to FDOT. The correctness of translation of the graphics design files and adherence to the standards and specifications contained herein, including the validity of the geometric elements, is the responsibility of the person performing the translation.

All translated / converted design files shall also conform to the file naming convention and other standards rules adopted by FDOT as specified herein or mandated by the **CADD Manual**.