

CADD Production Criteria Handbook (CPCH)

FDOT2008 XM MR1 Update

Record of Changes

Chapter	Section	Description
NOTE:		CPCH chapter headers updated to reflect FDOT2008 XM MR1 Update
1	<i>Chapter 1</i>	Introduction
		No Modifications.
2	<i>Chapter 2</i>	FDOT CADD Software
		No Modifications.
3	<i>Chapter 3</i>	MicroStation Resource & Support Files
	3.10.2	Added: "NOTE: For Right of Way's Standard File Names table, see CPCH Chapter 9. For Structures' Standard File Names table, see CPCH Chapter 18."
		Standard File Names Table: 1) Modified Verified Utilities 3D files(UTVHRD, UTVHUW): - Change description "Summary of Survey Verified Utilities (This is a 3D version of UTEXRD.dgn)" to: "Survey of Verified Utilities (3D version of UTEXRD.dgn)" - Set Rule File: UTEXRD.rul - Marked as critical. 2) Created new file names for Verified Utilities (2D) (UTVHRD, UTVHUW & UTVHEM): (SMVHRD, SMVHUW & SMVHEM) - Description: "Summary of Verified Utilities (2D)" - Set Rule File: PLANRD.rul - Mark as Non-Critical 3) Added Roadway File Name: CSINRD.dgn - Concrete Slab Inventory 4) Removed duplicate File Names
	3.10.4	Added: "NOTE: For Right of Way's Rule File (rweng08.rul) table, see CPCH Chapter 9. For Structures' Rule File (spst08.rul) table, see CPCH Chapter 18."
		Removed Levels: HayBale, HayBale_ep, SiltFence, SiltFence_ep and replaced with SedimentBarrier in Rule Files: drdtrd, drmprd, drprrd, dsgrnd, qttsrd, tcdsrd.
		Removed Levels: rockbag, rockbag_ep, sandbag, sandbag_ep and replaced with InletProt in Rule Files: drdtrd, drmprd, drprrd, dsgrnd, qttsrd, tcdsrd.
		Added Level: Fence_px in Rule File: drexrd, utexrd
		Added Level: EaseLine_ep in Rule File: drexrd, drxsrd, pdxsrd, utexrd
		Added Levels: AsphaltMisc_px, DrivewayBase_px, GravWallBase_px, MedianWallBase_px, Overbuild1_px, Overbuild2_px, PavedMedianBase_px, ShldrBase_px, ShldrBaseTop_px, ShldrWallBase_px, SidewalkBase_px, TrafSeparatorBase_px, XSBaseTop_px in Rule File: drxsrd, pdxsrd, plprrd, rdxsrd, rdxssp, typdrd, typsrd to address new proposed criteria
		Added Levels: Bolts, Bolts_h, FencePosts, RefPtText, Guardrail, TextRdwyInitials, TextStructShtNo in Rule File spst08
		Added existing level: Core_ep to Rule File UTADRD and modified description to include VvH Targets.
4	<i>Chapter 4</i>	Project Directory Structure
		No Modifications.

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5	<i>Chapter 5</i>	Project Indexing & Journaling
		No Modifications.
6	<i>Chapter 6</i>	Plotting & Postscript Image Files
		No Modifications.
7	<i>Chapter 7</i>	CADD Quality Assurance / Quality Control
	7.5.2.5	Added to the paragraph "The QC Report includes <u>information on all models within the selection set of design files, whether or not any QC process has been performed or the file has no graphical elements or exceptions created and reported under the headings described below:</u> ".
		Added to the listing: " Added Since – Percentage of change since the last QC Process was performed. <u>A percentage is entered here when the design file is closed without a QC process run or the automated OverVuQC is turned off.</u> "
		Removed: " It also reports design files that have not been processed, have no graphical elements or has exceptions created as the example displays below: "
8	<i>Chapter 8</i>	Electronic Delivery Procedure
	8.7	Added: ' Note: <i>This Project root folder renaming does not apply for the "Project CD" submissions (that directory name NEVER changes, regardless of <u>which</u> revision); only for the subsets created for revisions and/or supplements ("Plans and Specs CD") <u>have their root folders renamed.</u></i> Note: <i>Some Districts do not require the consultant to process a "Plans and Specs" subset for delivered "Project CDs." If such is the case, read on to step 2. On page 8-24.</i> Note: <i>A complete "Project CD" deliverable, named the original project name, is usually required to be submitted with each contemporary revision to the project. The directory naming conventions shown in these diagrams apply only to "Plans and Specs" subsets extracted from those revised "Project CD" submissions.</i> ' to help clarify Revisions Using the FDOT Electronic Delivery Suite.
9	<i>Chapter 9</i>	Right of Way Mapping CADD Standards
	9.1.2	Updated applicable Standard File Names (CS, MM, RW) with "(Enter 7 Digit No.)" descriptions.
10	<i>Chapter 10</i>	Environmental Management Standards
	10.2	Corrected Standard File Names Table: DSPREM.dgn rule file to plprrd.rul; MTPREM.dgn rule file to plprrd.rul.
		Renamed Standard File Name: UTVHEM.dgn. to SBVHEM.dgn and updated description to: "Summary of Verified Utilities (2D)".
		Removed duplicate Standard File Name: PLPREM.dgn
		Resorted Standard File Name table.
11	<i>Chapter 11</i>	Survey Standards
	11.2	Updated Standard File Name UTVHRD.dgn description to: "Survey of Verified Utilities (This is a 3D version of UTEXRD.dgn).
	11.9	Re-inserted updated Standard Symbology Tables: DREXRD, GDTMRD, TOPORD, TOPORW, UTEXRD listing levels specific to the Survey discipline.

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12	<i>Chapter 12</i>	Drainage Standards
	12.2	Removed duplicate Standard File Name DREXRD.dgn to Survey Standard File Name.
		Resorted Standard Symbology table.
	12.6 & 12.6.1	Incorporated into one section 12.6 and removed subheading 12.6.1 Symbology Table.
13	<i>Chapter 13</i>	Roadway Standards
	13.2	Corrected rule file assignment for Standard File Names: BRPRRD.dgn to plprrd.rul.
		Removed duplicate Standard File Names TOPORD.dgn, CTLSRD.dgn, GDTMRD.dgn, UTVHRD.dgn, UTEXRD.dgn to Survey Standard File Names.
		Removed duplicate Standard File Names PDXSRD.dgn, PDPLRD.dgn, RWDTRD.dgn, WETLRD.dgn to Drainage Standard File Names.
		Added new Standard File Name CSINRD.dgn Concrete Slab Inventory.
		Rename Standard File Name UTVHRD.dgn to SBVHRD.dgn with description: "Summary of Verified Utilities (2D)".
14	<i>Chapter 14</i>	Signing & Pavement Marking Standards
	14.2	Resorted Standard File Name table.
15	<i>Chapter 15</i>	Signals Standards
	15.2	Corrected Standard File Names MTPLSG.dgn and MTPRSG.dgn
		Resorted Standard File Name table.
16	<i>Chapter 16</i>	Highway Lighting Standards
	16.2	Resorted Standard File Name table.
17	<i>Chapter 17</i>	Landscape Standards
	17.2	Removed unused Standard File Names ODADLD.dgn, TEXTLD.dgn.
		Added missing Standard File Name PLAYLD.dgn Project Layout Sheet.
18	<i>Chapter 18</i>	Structures Standards
		Corrected Standard File Name B#SoundBarrier.dgn: Sheet Order = 214/Rdwy.
	18.2	Corrected Standard File Name B#SheetPileWallConc.dgn: Sheet Order = 214/Rdwy; Sheet Prefix = BW-## / <u>none</u> .
	18.1	Corrected QC Rules listing to FDOT2008 = spst08.rul; FDOT2002_v8 = spst04.rul
		Added new Standard File Names MiscStr.dgn - Varies; MiscStrClvt.dgn - Culvert; MiscStrMastarm.dgn - Mastarms; MiscStrHighMast.dgn - High Mast Light Poles; MiscStrOHSign.dgn - Overhead Sign Structures.
	18.6	Added missing Standard Symbology Levels: 901 AdhocPoint_dp; 2145 Guardrail.
		Corrected level number 920 PlotBorder_dp

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		Added new Standard Symbology Levels: 2147 Bolts - Miscellaneous bolts for details 2148 Bolts_h - Miscellaneous bolts for details - hidden 2149 FencePost - Fence posts for details 2146 Guardrail_h - Guardrail and post Thrie and W Beam - hidden 2015 TextRdwyInitials - Text-Roadway Initials 2016 TextStructShtNo - Sheet number for structures border sheet numbers
19	<i>Chapter 19</i>	Utilities Standards
	19.3.3	Added verbiage regarding AutoCAD software and file format.
	19.4	Updated workflow charts.
	19.5.3	Renamed Standard File Name UTVHRD.dgn to SBVHRD.dgn with description "Summary of Verified Utilities (2D)".
		Updated description of Standard File Name UTVHRD.dgn to "Survey of Verified Utilities (3D version of UTEXRD.dgn)".
	19.7	Added cell library listing: "...utility related cells are located in drive: \\FDOT2008\Resources\cell\syeng.cel <i>and</i> \\FDOT2008\Resources\cell\uteng.cel."
	19.10.2	Added: "Select the utility feature desired from the TabList to automate symbology."
	19.11	Added verbiage regarding AutoCAD.
	19.13	Removed: "...and Utility hotlists"
20	<i>Chapter 20</i>	Geotechnical Standards
	20.9	Reworded the last sentence to clarify: "... the needed file(s) <u>shall not be copied, be but the data</u> referenced from the original directory, not copied. "
21	<i>Chapter 21</i>	Construction Standards
	21.8	Replaced "Cadpilot" reference with "FDOT Menu".
22	<i>Chapter 22</i>	Intelligent Transportations Systems (ITS) Standards
	22.2	Resorted the Standard File Name table.
23	<i>Chapter 23</i>	Architectural Standards
		No Modifications
24	<i>Chapter 24</i>	Specification Standards
		No Modifications
25	<i>Chapter 25</i>	Appendix
		Minor typo corrections to various entries.