



MCMC User Conference

Introduction to CADconform

August 16, 2007



Meeting Agenda

- **Brief Introduction Slides**
- **Product Demonstration**
 - ❖ **User Perspective**
 - ❖ **Administrator Perspective**
- **Question & Answer**



Altiva Overview

- **Spin-off of a 15 year veteran of the CAD industry**
- **Dedicated to CAD standards management**
- **CADconform has been commercial over 6 years**
- **Offices covering US, Europe, and Asia/Pacific**
- **Grown to 9 developers, with 24 hour support**
- **Autodesk / Bentley / Microsoft Development Partners**
- **First and only to be licensed and delivering the US National CAD Standard**



Altiva Customer Sampling

Alaska Native Consortium
Allessa Chemie
Amcad
Argyle Diamond Mines
Arkansas DOT
Aucoin & Assoc.
Babbage
Baseline Corporation
BHP Shared Business
Binkley & Barfield
Bosch Sicherheitssysteme
Brandi IGH Ingenieure GmbH
Brisbane Airport
Busing Ingenieure GmbH
CADD Centers of Florida
Cadeng
CAD-Wartke
Calibre Global
Chevron Texaco Australia
Dannenbaum Engineering
DM Gerloff & Associates
Elektro Alter GmbH
EPIC GmbH
E-Plan GmbH
Florida DOT
Fluor Australia
Fraport AG
GRD Minproc
GTD GmbH

H.W. Lochner
Hamersley Iron
Hans Donges GmbH
Homola AYH AG
Houston METRO
I S Systems Pty Limited
IDS
Inco / CVRD
Ingenieurburo Arndt Feltens
Iowa DOT
Kansas DOT
Kellogg Brown & Root
Konstruktionsburo fur
Louisiana DOTD
Maunsell Australia
Metso Minerals
Michigan DOT
Military Works of the UAE Army
Milton Hershey School
Mine & Port Developments
National Electrical Wholesalers
Nebraska DOR
NEK Beratende Ingenieure
NTA Mainz GmbH
Obermeyer Planen & Beraten
OFM Communications
Optus
Parsons Management Consultants
Powerlink

Proteus Engineers
PT Petrosea
Resource Engineering and Design
Rice Associates
Roberts & Schaefer
SAN GmbH
Sandia National Labs
Schad-Holzel & Partners
Schmidt Reuter, Koln
Sinclair Knight Merz
So-Deep, Inc.
Stadtwerke Mainz AG
Sydney RailCorp
Sylvester Clark
T.Y. Lin International
Texas Gas Transmission
ThyssenKrupp Engineering
Torti Gallas and Partners, Inc.
TransGrid
Tuck Mapping Solutions, Inc.
USA_26th ASG DPW
VHB, Inc
Virginia DOT
WA Dept. Planning & Infrastructure
Western Power
Wilcox Professional Services
WorleyParsons
Wyoming DOT
Zeynel Satici



CADconform Benefits

- **Integrating new drafters to the standard**
- **Collaborating/sharing drawings internally**
- **Speeding drafting**
- **Auditing consultant drawing quality**
- **Eliminating unpaid rework for standards**
- **Automatic processing of drawings**
- **Plotting right the first time**
- **Converting legacy drawings to standard**
- **Interoperability between AutoCAD and MicroStation**
- **Increasing control for CAD administrators**
- **Sales tool for design/engineering firms**



The Key to CADconform

It is a “Feature-Based” system:

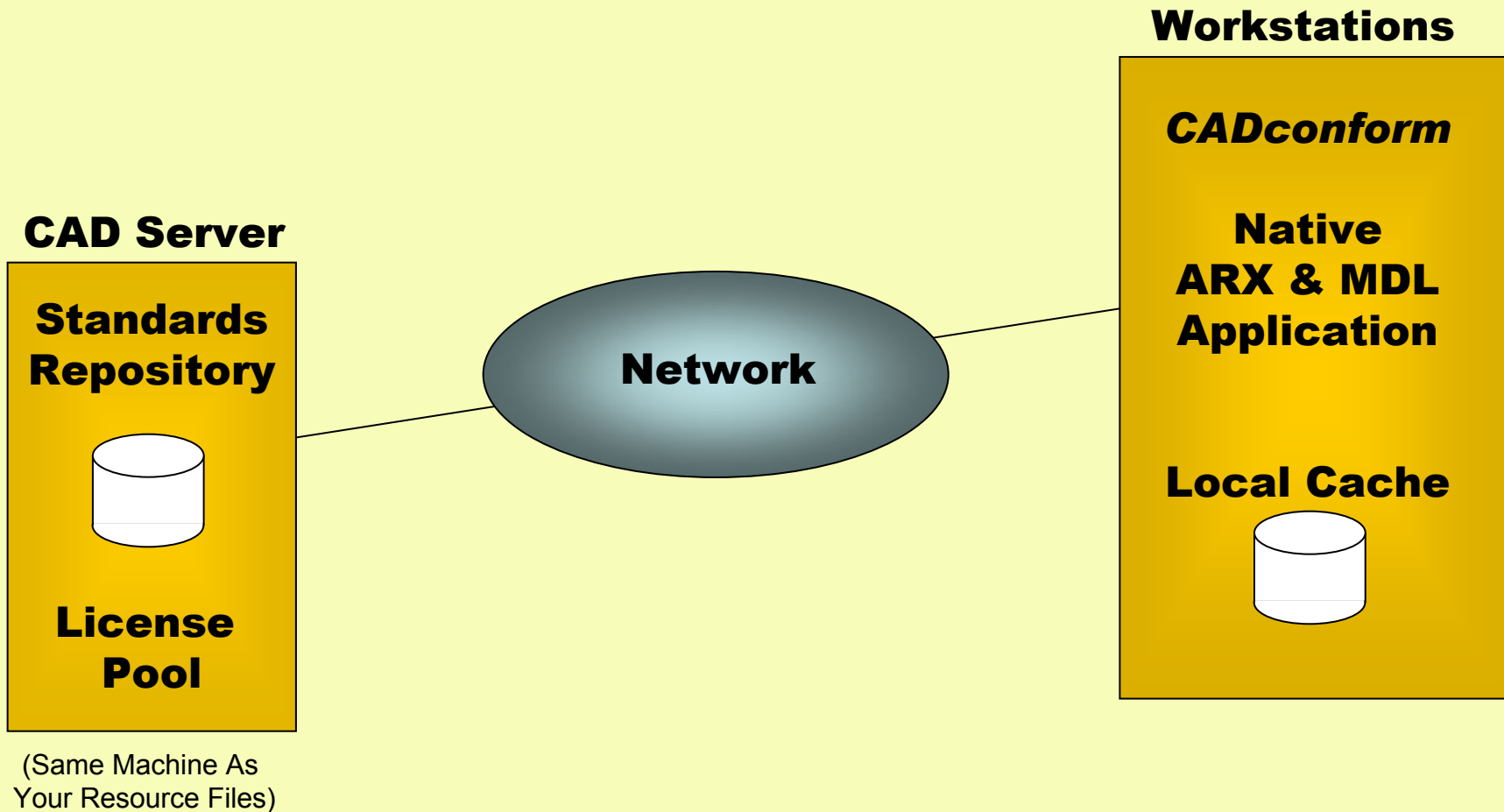
- Stores fully defined drawing features in a central database
- Auto-generates drafting menus based on the defined standard
- Drafters are able to check and fix their own drawings
- Drafters are able to certify they have met standards
- Management is able to run compliance reports
- Result: Positive control in a complete solution

Other methods don't have this database:

- Internal Checkers – Can still make a drawing 100% wrong
- Custom Draft Menus – Can't enforce using them
- In-house Scripts – Not a complete solution/difficult to maintain
- Other 3rd Party Products – Lack feature database & enforcement



Simple Architecture



*ODBC Interface – No Database Required



Unified Interface

CADconform

Administrator

1) User Manager

Customize User Experience
Control access to Features & Standards

2) Standards Manager

Create/Import/Edit
Hierarchical
Auto-Generate Standards Manual
Built-In NCS and A/E/C

3) Batch Reports of Standards

Check large numbers of drawings
Can also check references files as well

Drafter

1) Production Drafting

Familiar Tool Palettes / Bar Menus
No More Digging Through Manuals

2) Check/Fix

Familiar Spell-Check Interface
Quick & Easy to Fix Their Own Drawing

3) Certify

One-Click Application of Seal
Tamper Proof
Indicates Change After Certification



CADconform

Demonstration



The Transformation

1) Distributes the Quality Control Process to Drafters

- Draft to standard easily, able to check/fix your own drawings.

2) Automates the Enforcement of Quality Control

- When management mandates the seal, drafters must follow the standard.
- CADconform makes it easy for them.

3) Increases Control for CAD Administrators

- Full control over user experience, standards definitions, and distribution.



CADconform Pricing

- **\$695 per seat for perpetual license list price**
- **\$139 per seat for annual maintenance**
- **Maintenance includes all upgrades and telephone, email, web portal support**
- **Free, poolable license server with 10 or more**
- **Includes NCS and AEC standards**
- **Includes unlimited administrator consoles**
- **Includes unlimited standards repositories**

- Quick Search

[Advanced Search](#)
- General Categories
 - Maps
 - Publications & Reports
 - Travel/Traffic Information
 - News & Announcements
 - Projects & Studies
 - Safety Information
 - Doing Business With Us
- Business Services
 - Letting Information
 - Specifications
 - Pre-Qualified Contractors
 - Pre-Qualification Questionnaire
 - Pre-Qualified Materials
 - Get Pre-Qualified Bid Tabs
- Engineering Services
 - Engineering Standard Drawings
 - Payment Request Form
 - Bid Item List Report
- Bridge Office Information

Intergrated Design Environment	Kansas Department of Transportation
	MicroStation/GEOPAK New Sym. Workspace BETA
MicroStation NS Workspace	
Downloads:	18
Filename:	KDOT_NS_Workspace.zip
Version:	Beta 8.9
Last Modified:	8/9/2007
File Size:	27 MB
Contact Person:	Mark Segelquist
<p>Description: This is a Beta copy of KDOT's MicroStation New Symbology workspace for version 8 and above. It contains the set of MicroStation, GEOPAK, IPLOT, and CADconform resources that correspond with the 2008 Graphic Standards Manual which is not yet official. This workspace is provided as a preview of what is coming and is subject to change. Guidelines as to which projects these new standards will apply will be provided in the future when the new manual is official. Instructions for using the workspace can be found in the Installing KDOT V8 workspace.pdf document contained in the zip file.</p> <p>Disclaimer: Disclaimer: This website and documents are provided for use by persons outside of the Kansas Department of Transportation as information only. The Kansas Department of Transportation, the State of Kansas, and its officers or employees, by making this website and documents available for use by persons outside of KDOT, do not undertake any duties or responsibilities of any person or entity who chooses to use this website and documents. This website and documents should not be substituted for the exercise of a person's own professional judgment nor the determination by contractors of the appropriate manner and method of construction on projects under their control. It is the user's obligation to make sure that he/she uses the appropriate practices. Any person using this website and documents agrees that KDOT will not be liable for any commercial loss; inconvenience; loss of use, time, data, goodwill, revenues, profits, or savings; or any other special, incidental, indirect, or consequential damages in any way related to or arising from use of this website and documents.</p> <p>Download Note: After clicking the button, it may take a while for the download dialog to appear. Select "Save" when it does.</p>	
<input type="checkbox"/> I have read the disclaimer. I understand and agree. download now	



NCS & AEC Built-In

CADconform Includes for the NCS & AEC:

- Drawing Templates (DWTs & DGNLIBs)
- Full Block and Cell Libraries
- Patterns, Text Styles, and Dimensions Styles
- CADconform Drafting Menus
- Full NCS & AEC Documentation Built-In
- Fully Customizable by the Administrator



Questions & Answers