

PACKAGE ID - 001340IBMPC00 ADVAD1.0

KWIC TITLE - Automated D/3 to Visio Analog Diagrams

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LIMITATION CODE -COPY **AUDIENCE CODE** - LIM

COMPLETION DATE - 11/15/1999 **PUBLICATION DATE** - 11/01/1999

DESCRIPTION - ADVAD1 reads an ASCII file containing the D/3 DCS MDL input for analog points for a D/3 continuous database. It uses the information in the files to create a series of Visio files representing the structure of each analog chain, one drawing per Visio file. The actual drawing function is performed by Visio (requires Visio version 4.5+). The user can configure the program to select which fields in the database are shown on the diagram and how the information is to be presented. This gives a visual representation of the structure of the analog chains, showing selected fields in a consistent manner. Updating documentation can be done easily and the automated approach eliminates human error in the cadding process. The program can also create the drawings far faster than a human operator is capable, able to create approximately 270 typical diagrams in about 8 minutes on a Pentium II 400 MHz PC. The program allows for multiple option sets to be saved to provide different settings (i.e., different fields, different field presentations, and /or different diagram layouts) for various scenarios or facilities on one workstation. Option sets may be exported from the Windows registry to allow duplication of settings on another workstation.

PACKAGE CONTENTS - Media Directory; Software Abstract; Media Includes User's Guide;

SOURCE CODE INCLUDED? - No

MEDIA QUANTITY - 1 CD Rom

METHOD OF SOLUTION - ADVAD reads the specified MDL input file to locate Analog Input EPNs. It starts Visio and creates diagrams of the EPNs that it finds, saves the diagram, then closes that drawing. When processing of the input file is complete, ADVAD will exit Visio.

COMPUTER - IBM PC

OPERATING SYSTEMS - Windows 95/98/NT

PROGRAMMING LANGUAGES - na

SOFTWARE LIMITATIONS - Requires input file to have carriage control/line feed line endings. Supports DCS versions 5.0 through

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SOFTWARE LIMITATIONS - (CONT) 9.0. Does not support the D/3XBR block
(will place on diagram, but will not label any I/O).

SOURCE CODE AVAILABLE (Y/N) - N

UNIQUE FEATURES - No other programs known to perform this function.

RELATED SOFTWARE - Requires Visio 4.5 or higher be installed.

HARDWARE REQS - Any computer capable of running Viaio 4.5+ and Windows
95/98/NT

TIME REQUIREMENTS - Program can diagram approximately 270 typical
analog chains in 8 minutes on a Pentium II 400 Mhz.

ABSTRACT STATUS - Released AS-IS 8/23/2000

SUBJECT CLASS CODE -

SPONSOR - DOE

PACKAGE TYPE - AS - IS