

USE OF THE ACCESSWARE INTERFACE/DATABASE SOFTWARE IN THE NEUTRAL BEAM CONTROL SYTEMS USED BY THE DIII-D TOKAMAK*

D. Piglowski, B.G. Penaflor, J.C. Phillips

General Atomics, P.O. Box 85608, San Diego, California 92186-5608

The complexities of monitoring and controlling the various DIII-D Tokamak systems has always required high speed computer resources. Recent hardware upgrades to the computer system used to control the DIII-D tokamak and neutral beam injectors have been accompanied by a redesign of the corresponding software. During the design and development of the software many newer features have been added; especially in the realm of Graphical User Interfaces and database management. For most of the systems involved, this required the implementation of third party software, including a crucial package written by AccessWare Inc.

The three main objectives of this paper are to 1) present a brief overview of hardware/software changes to the neutral beam control systems; 2) describe the design and structure of the resulting software; and 3) evaluate the benefits and drawbacks of the new control software.

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D. Piglowski
General Atomics
P.O. Box 85608
San Diego, CA 92186-5608
(619) 455-4413
FAX (619) 455-4190
e-mail: piglowski@gav.gat.com

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