

FOREWORD

This document presents the planned experimental activities for the DIII-D National Tokamak Facility for the calendar year 2003. This plan is part of a five-year contract between General Atomics and the Department of Energy. The Experiment Plan advances on the objectives described in the DIII-D Tokamak Long Range Plan (GA-A23607). The Experiment Plan is developed yearly by the DIII-D Research Council and approved by DOE. DIII-D research progress is reviewed quarterly against this plan. The 2003 plan is based on a \$52.3M DIII-D program funding for FY03, with \$41.7M to GA, which allows for 13 weeks of tokamak operations. Other major collaborators include PPPL (\$4.1M) LLNL (\$3.0M), and ORNL (\$2.2M). Funding of university collaborators are provided by DOE grants and GA subcontracts. DOE funding by Continuing Resolution for the first half of FY03 has had a major impact upon the planning process for this year. The resultant lengthy period of final budget uncertainty led to the preparation of run plans for both 13 and 19 weeks of operation, and both are described herein. Should funding beyond the 13 week requirement become available, then DIII-D is still in position to execute the 19 week run plan in FY03. In the event of other significant budgetary, technical, or programmatic changes this plan will be revised as necessary.