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Dr. Ray Orbach
Director, Office of Science
U.S. Department of Energy
1000 Independence Avenue, S.W.
Washington, D.C. 20585

Dear Dr. Orbach,

In a letter of April 5, 2005 you requested that FESAC review and rate the fusion program's progress toward achieving the long-term PART measures (the Program Assessment Rating Tools). The attached report constitutes the requested assessment by FESAC. The relatively long time that has elapsed since the assignment of the charge is due to the dissolution and reappointment of FESAC, and its relative dormancy during the search for the new Associate Director.

In the report we rate the program's progress on the three ten-year goals related to predictive capability for burning plasmas, configuration optimization, and high energy density plasma physics. We carefully define the criteria for the ratings and provide sample accomplishments to justify the ratings.

We are grateful to Prof. Gerald Navratil for leading the assessment, and we would be pleased to perform future assessments at the required time intervals.

Sincerely,

Stewart Prager
Chair
Fusion Energy Sciences Advisory Committee

c.c Dr. R. Fonck
FESAC

