Dr. Orbach's Charges to ASCAC Committee
-- Discussion --

Michael R. Strayer

Associate Director

Committee of Visitors Background

Advanced Scientific Computing Research Program

- **On August 15, 2003, ASCAC was charged to institute a Committee of Visitors (COV) to assess the program management of major elements of Advanced Scientific Computing Research (ASCR) program every two to three years.**

- **Previous COV reviews**
  - **Applied Mathematics, Computer Sciences and Collaboratories Research programs, March 9-10, 2004**
  - **Facilities review, April 4-5, 2005**

COV Charge

Advanced Scientific Computing Research Program

- **Conduct a COV review of the SciDAC (Computational Partnerships) efforts within ASCR.**

- **Report due : Fall (August) 2007 ASCAC meeting**

Joint ASCAC-BERAC Panel Charge

Advanced Scientific Computing Research Program

- **Convene a Joint-panel with the Biological and Environmental Research Advisory Committee (BERAC) to examine the issue of computational models for GTL and how progress could be accelerated through targeted investments in applied mathematics, computer science and computational biology. The Joint-panel should**
    - **Consider whether the current ASCR long-term goal is too ambitious given the status and level of buy-in from the community.**
    - **Discuss possible intermediate goals that might be more relevant to the two programs.**
    - **Identify the key computational obstacles to developing computer models of the major biological understandings necessary to characterize and engineer microbes for DOE missions such as biofuels and bioremediation.**
- **Due Dates**
    - **Interim Report:** **May, 2007**
    - **Final Report:** **August 2007 ASCAC meeting**