CHARTER of the
SUBCOMMITTEE ON THE MATERIALS GENOME INITIATIVE
COMMITTEE ON TECHNOLOGY
NATIONAL SCIENCE AND TECHNOLOGY COUNCIL

A. Official Designation

The Subcommittee on the Materials Genome Initiative (SMGI) is hereby established by action of the National Science and Technology Council (NSTC), Committee on Technology (CoT).

B. Purpose and Scope

The development of advanced materials will fuel many of the emerging industries that will address challenges in clean energy, national security, and human welfare, among others. Yet the time it takes to move a newly discovered advanced material from the laboratory to the commercial marketplace remains far too long. Accelerating this process could significantly improve U.S. global competitiveness and ensure that the Nation remains at the forefront of the advanced materials marketplace.

In June 2011, the President announced the Materials Genome Initiative for Global Competitiveness (MGI),[1] a multi-stakeholder effort to reduce the time to develop new materials by at least 50%. This effort will address: (1) the creation of a new materials-innovation infrastructure, (2) the use of new tools to further progress in solving important national goals with the use of advanced materials, and (3) the preparation of a next-generation materials workforce to sustain progress. The purpose of the SMGI is to advise and assist the NSTC and the Office of Science and Technology Policy (OSTP) on policies, procedures, and plans related to the goals of the MGI.

C. Functions

The SMGI will facilitate a coordinated effort across Federal agencies to identify policies for supporting the goals and implementing the recommendations outlined in the Materials Genome Initiative for Global Competitiveness whitepaper. Functions of the SMGI will include:

1. Setting and reporting interagency milestones and deliverables for the MGI in the short-term (1-2 years), medium-term (2-10 years), and long-term (10+ years).
2. Conducting a portfolio analysis and, subsequently, coordinate agency activities aimed at the advancement of the MGI materials innovation infrastructure, which may include: new tools in computation, enhanced materials characterization, and open access data platforms.

[1] see http://www.whitehouse.gov/sites/default/files/microsites/ostp/materials_genome_initiative-final.pdf

3. Promoting the development of the next-generation workforce by engaging university students and faculty and professional societies, and by encouraging training programs and new curricula that incentivize the movement of the materials community toward the desired technical culture described in the MGI.[1]
4. Tracking and documenting national priority needs that would benefit from the MGI and an acceleration of materials deployment.
5. Establishing forums for receiving comments and recommendations from private-sector stakeholders and use these data for focusing and accelerating the pace of materials development in the United States, as permitted by law,
6. Tracking extramural activity from universities, industry, and professional societies that connect to the MGI goals.
7. Advising the CoT on policies that influence advanced materials research and development.

Through its Co-chairs, the SMGI will recommend action on major policy and research and development issues to the CoT and/or the Director of OSTP for approval.

D. Membership

The following NSTC departments and agencies are represented on the SMGI:

Department of Commerce;
Department of Defense;
Department of Energy;
Department of Health and Human Services;
Department of the Interior;
Environmental Protection Agency;
National Aeronautics and Space Administration; and
National Science Foundation.

The following organizations in the Executive Office of the President shall also be represented on the MGI-IWG:

National Economic Council;
Office of Management and Budget; and
Office of Science and Technology Policy (Chair).

Cooperating departments and agencies may include other Executive organizations, departments, and agencies when designated by the Chair.

E. Private-Sector Interface

The SMGI may work with the President's Council of Advisors on Science and Technology to secure appropriate external stakeholder advice and will recommend to the CoT and/or the Director of OSTP the nature of additional private-sector[2] advice needed to accomplish its

[2] The Federal Advisory Committee Act, 5 U.S.C. App., as amended, does not explicitly define "private sector," but the phrase is generally understood to include individuals or entities outside the Federal government such as, but not limited to, the following: non-Federal sources, academia, State, local or Tribal governments, individual citizens, the public, non-governmental organizations, industry associations, international bodies.

mission. The SMGI may also interact with and receive *ad hoc* advice from various private-sector groups as consistent with the Federal Advisory Committee Act.

F. Termination Date

Unless renewed by the Co-chairs of the CoT prior to its expiration, the SMGI shall terminate no later than December 31, 2013.

G. Determination

I hereby determine that the formation of the Subcommittee on the Materials Genome Initiative is in the public interest in connection with the performance of duties imposed on the Executive Branch by law and that such duties can best be performed through the advice and counsel of such a group.

Approved:

Thomas C. Power — Date

Thomas C. Power
Chair, Committee on Technology and
Deputy Chief Technology Officer of the United States for Telecommunications
Office of Science and Technology Policy