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# 15 U.S. Code § 4603

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## Semiconductor Technology Council

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### **(a) Establishment**

There is established the Semiconductor Technology Council.

### **(b) Purposes and functions**

(1) The purposes of the Council are the following:

(A) To link assessment by the semiconductor industry of future market and national security needs to opportunities for technology development through cooperative public and private investment.

(B) To seek ways to respond to the technology challenges for semiconductors by fostering precompetitive cooperation among industry, the Federal Government, and institutions of higher education.

(C) To make available judgments, assessments, insights, and recommendations that relate to the opportunities for new research and development efforts and the potential to better rationalize and align industry and government contributions to semiconductor research and development.

(2) The Council shall carry out the following functions:

(A) Advise Sematech and the Secretary of Defense on appropriate technology goals and appropriate level of effort for the research and development activities of Sematech.

(B) Review the emerging markets, technology developments, and core technology challenges for semiconductor research and development and semiconductor manufacturing and explore opportunities for improved coordination among industry, the Federal Government, and institutions of higher education regarding such developments and challenges.

(C) Assess the effect on the appropriate role of Sematech of public and private sector international agreements in semiconductor research and development.

(D) Exchange views regarding the competitiveness of United States semiconductor technology and new or emerging semiconductor technologies that could affect national economic and security interests.

(E) Exchange and update information and identify overlaps and gaps regarding the efforts of industry, the Federal Government, and institutions of higher education in semiconductor research and development.

(F) Assess technology progress relative to industry requirements and Federal Government requirements, responding as appropriate to the challenges in the national semiconductor technology roadmap developed by representatives of industry, the Federal Government, and institutions of higher education.

(G) Make recommendations regarding the semiconductor technology development efforts that should be supported by Federal agencies and industry.

(H) Appoint subgroups as appropriate in connection with the updating of the semiconductor technology roadmap.

(I) Publish and submit to Congress by March 31 of each year an annual report addressing the semiconductor technology challenges and developments for industry, government, and institutions of higher education and

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the relationship among the challenges and developments for each, including an evaluation of the role of Sematech.

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