

**MEMORANDUM OF COOPERATION BETWEEN THE
DEPARTMENT OF ENERGY OF THE UNITED STATES OF AMERICA
AND THE
MINISTRY OF THE RUSSIAN FEDERATION ON ATOMIC ENERGY
IN THE FIELD OF
MAGNETIC CONFINEMENT FUSION**

The U.S. Department of Energy (DOE), and the Ministry of The Russian Federation on Atomic Energy (MINATOM), hereinafter referred to as the "Parties", desiring to continue close and long-term cooperation in the field of magnetic confinement fusion (MCF):

Noting that fruitful cooperation on magnetic confinement fusion can lead to the development of an economically competitive, environmentally acceptable and essentially inexhaustible energy source for the benefit of both their peoples and of all mankind; and

In accordance with Article 2, paragraph 1.a and Article 4 of the Agreement between the United States of America and the Union of Soviet Socialist Republics on Scientific and Technical Cooperation in the Field of Peaceful Uses of Atomic Energy, signed on June 1, 1990 (hereinafter referred to as "the Agreement").

Have agreed as follows:

Article I

The purpose of this Memorandum is to establish an arrangement for cooperation in the field of magnetic confinement fusion (MCF) in implementation and furtherance of the Agreement in order to advance research toward the development of fusion power.

Cooperation under this Memorandum shall be carried out as agreed on the basis of mutual benefit, equality and full reciprocity between the Parties.

Article II

The forms of cooperation under this Memorandum will be as follows:

1. Establishment of appropriate working groups for planning and execution of joint studies and R&D tasks.
2. Joint theoretical, calculational, experimental, developmental and design work by technical personnel in appropriate research centers of the two countries.
3. Organization of seminars and workshops.
4. Exchanges of appropriate instrumentation, equipment, and materials to carry out projects

jointly approved by the Parties.

5. Exchanges of technical specialists.
6. Exchanges of appropriate technical information, documentation, and results of research.
7. Other forms of cooperation may be undertaken by mutual written agreement.

Article III

1. In order to implement this Memorandum, the DOE and the MINATOM shall establish a Joint Fusion Power Coordinating Committee (JFPCC).
2. The JFPCC shall consist of sixteen members with an equal number (8) of members from each Party. Each Party shall have one vote. All decisions taken by the JFPCC shall be reached by agreement of the two Parties.
3. The JFPCC will coordinate and review all aspects of this Memorandum of Cooperation (MOC) and take such action as is appropriate for its effective implementation.
4. The JFPCC oversees the development of applicable Implementing Annexes to this Memorandum in accordance with article 2 and presents them to the U.S.-Russian Federation Joint Committee on Cooperation in the Peaceful Uses of Atomic Energy (hereinafter called the Joint Committee) for review and approval.
5. The JFPCC may develop, establish, review and revise its operational procedures related to the organization and operation of the JFPCC and its activities so that, as far as practical, they reflect current operating practices under this Memorandum.
6. The JFPCC will present to the Joint Committee for review and approval the program directions for the calendar year following the Joint Committee Meeting together with any recommendations for amendments (if needed to add such programs to this Memorandum).
7. The JFPCC may organize, establish and convene working groups and panels for the study of specific areas of research and development in the field of magnetic confinement fusion, review and comment on the reports issued by such working groups and panels.

8. The JFPCC may develop: specific activities and programs to further the development of magnetic confinement fusion; exchanges of technical information, personnel and equipment; procedures for addressing and resolving questions of such matters as the payment of costs under the cooperation; patent/publication rights for joint activities administered under this Memorandum, as called for in the Intellectual Property Annex to the Peaceful Uses Agreement; and, any other operating procedures, in accordance with the laws and regulations of the Parties.

9. The JFPCC may assist in arranging collaboration between or among organizations within or outside this Memorandum (see annex 1), in accordance with national laws and regulations of the Parties, as agreed to by the Parties in writing, and provided for in Article 4 of the Peaceful Uses Agreement..

10. Pursuant to Article I, such other forms of cooperation as the JFPCC recommends may be undertaken by agreement of the Parties.

11. The JFPCC will decide on its meeting schedule. Generally, it will be convened once a year, alternating in the United States and the Russian Federation, unless agreed otherwise. Times and places for meetings will be agreed in advance.

Article IV

1. Cooperation under this Memorandum shall be conducted subject to the respective international obligations, national laws and regulations of the Parties, and subject to the availability of appropriated funds. Accordingly such cooperation should be conducted on the basis of the fullest possible reciprocity in terms of equal access to facilities, information and personnel on both sides.

2. Any questions of interpretation and implementation relating to this Memorandum will be decided by agreement of the Parties.

Article V

1. Provisions for the protection and allocation of intellectual property set forth in the Annex on Intellectual Property to the Agreement, by reference herein thus shall apply to all activities conducted pursuant to this Memorandum.

Article VI

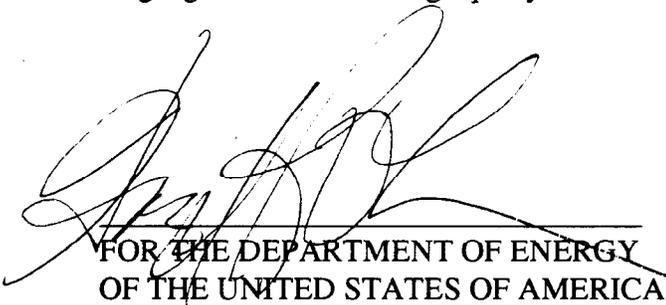
1. This Memorandum shall enter into force upon signature, shall remain in force for five (5) years, and may be extended for additional five (5)-year periods by written agreement of the Parties following joint review at the end of each five-year period.

2. All joint activities and experiments being conducted when the effective period of this Memorandum ends will, if agreed, be continued to their conclusion in accordance with the terms of this Memorandum.

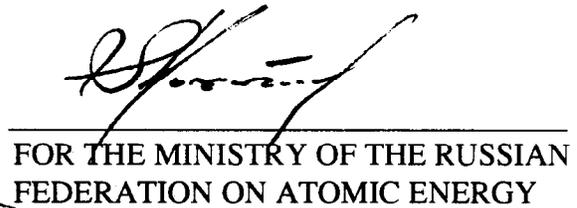
3. Each Party may terminate this Memorandum of Cooperation on six (6) months written notice.

4. All joint activities and experiments being conducted pursuant to the Memorandum of Cooperation on Magnetic Confinement Fusion, signed July 5, 1991 shall be continued hereunder.

DONE, in duplicate, at Vienna, this sixteenth day of September, 1996, in the English and Russian languages, both texts being equally authentic.



FOR THE DEPARTMENT OF ENERGY
OF THE UNITED STATES OF AMERICA



FOR THE MINISTRY OF THE RUSSIAN
FEDERATION ON ATOMIC ENERGY