COUNCIL DECISION

of 17 December 1973

amending the Decision of 21 June 1971 adopting a five-year research and training programme of the European Atomic Energy Community in the field of fusion and plasma physics

(74/36/Euratom)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Atomic Energy Community, and in particular Article 7 thereof;

Having regard to the proposal from the Commission submitted after consultation with the Scientific and Technical Committee;

Whereas the programme which is the subject of the Council Decision of 21 June 1971 [1] adopting a five-year research and training programme of the EAEC in the field of fusion and plasma physics should be adjusted, amended by the Decision of 14 May 1973 [2] to take account of the additions to the operations to be conducted pursuant to this Decision;

Whereas the Commission proposal adequately supplements the third five-year programme as regards the operations to be conducted during 1974 and 1975 in order to ensure the continuity of this programme which, moreover, takes its place in the wider context of the security of the long-term energy supplies of the Community;

Whereas the results already obtained in the course of the third programme show that it is desirable to undertake detailed studies to serve as a basis for a possible subsequent decision on providing the Community with a large machine of the Tokamak type JET ('Joint European Torus'); whereas measures must be taken to avoid any unnecessary delay, without prejudice, however, to a final decision to proceed to the construction stage;

Whereas the abovementioned developments call for increased mobility of staff,

HAS DECIDED AS FOLLOWS:

Article 1

The programme set out in the Annex to the Decision of 21 June 1971 is replaced by the programme annexed to this Decision.

Article 2

Article 2 of the Decision of 21 June 1971 shall be replaced by the following:

'The maximum amount of expenditure commitments and the staff necessary for the implementation of this programme shall be fixed at 71·1 million units of account and 112 Community servants plus 20 temporary Community servants, the unit of account being defined in Article 10 of the Financial Regulation [3] of 25 April 1973 applicable to the general budget of the European Communities.'

Done at Brussels, 17 December 1973.

For the Council
The President
I. NØRGAARD

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(1) OJ No L 143, 29. 6. 1971, p. 33.
(2) OJ No L 153, 9. 6. 1973, p. 17.
(3) OJ No L 116, 1. 5. 1973, p. 1.

ANNEX

FUSION AND PLASMA PHYSICS

1. An amount of 71·1 million units of account shall be allocated to this programme and the upper limit for staff shall be fixed at 112 permanent servants and 20 temporary servants. This amount is intended to cover:
   — the expenditure on equipment concerned with operations already undertaken or to be undertaken during the last two years of the programme which are accorded priority status and specified in point 5;
   — the expenditure relating to the design phase of the large Tokamak JET project;
   — the cost of staff mobility;
   — the other expenditure relating to operations to be carried out under this programme.

2. The subject-matter of the programme which will be executed by the associated laboratories shall be:
   — general physics in the sector concerned, in particular studies of a basic character or relating to confinement of plasma with suitable devices and to methods for producing and heating plasma;
   — research on the confinement in closed and open-ended configurations of plasma of widely varying density and temperature;
   — production of and research on plasma of high and very high density;
   — improvement of diagnostics methods;
   — investigation of technological problems connected with current research and of problems relating to thermonuclear reactor technology;
   — the design phase of the JET project.
   This work shall be carried out by means of association contracts.

3. The programme set out in point 2 shall be part of a long-term cooperative project embracing all work carried out in the Member States in the field of fusion and plasma physics. It is designed to lead in due course to the joint construction of prototypes with a view to their industrial scale production and marketing.

4. Within the upper limit of 71·1 million units of account;
   (a) a maximum amount of 17·8 million units of account shall be allocated to the financing of equipment for the operations specified in point 5 which have been or are to be undertaken, a standard preferential rate of participation not exceeding 44 % being applied. In return, all members of the association shall have the right to take part in the experiments carried out with this equipment;
   (b) a maximum amount of 1·25 million units of account shall be set aside for expenditure for ensuring mobility of research staff of the Member States in order to enable them to work in the associated laboratories or the JET Working Party;
   (c) a maximum amount of 1·6 million units of account shall be set aside for expenditure incurred in the first design phase of the JET project, of which 1 million units of account may be financed at 100 % by the Commission for work to be carried out by contracts other than association contracts, and up to 0·6 million units of account may be provided to increase its participation in the work carried out for the JET project in each associated laboratory to about 44 %.
   (d) the amount not set aside for the operations and expenditure referred to in sections (a), (b) and (c) shall form the upper limit of financial participation by the Community in other expenditure of the Associations, in their management and in support of the JET project. This participation shall be at a standard rate of about 25 %. By way of derogation from this principle, this rate shall be increased to a maximum of 30 % for the Euratom/CNEN-CNR Association, which will further benefit from the assumption by the programme of the expenses in respect of the Euratom staff seconded thereto.

5. After conducting a technical examination of the various projects, the Commission may finance, within the following upper limits, the operations mentioned below, which are accorded priority status:

— low-beta stellarator and tokamak	11·8 million u.a.
— screw pinch and high-beta stellarator	3·3 million u.a.
— heating and injection processes	1·9 million u.a.
— very high density processes	1·4 million u.a.
— open-ended configurations	0·5 million u.a.
— reactor technology	0·9 million u.a.