



COMMISSION OF THE EUROPEAN COMMUNITIES

Brussels, 24.5.2006  
COM(2005) 445 final/2

2005/0190 (CNS)

Amended proposal for a

**COUNCIL DECISION**

**concerning the specific Programme implementing the seventh Framework Programme  
(2007-2011) of the European Atomic Energy Community (Euratom) for nuclear  
research and training activities**

**Adaptation following the agreement of 17 May 2006  
on the Financial Framework 2007-2013**

(presented by the Commission pursuant to Article 250(2) of the EC Treaty)

Amended proposal for a

**COUNCIL DECISION**

**concerning the specific Programme implementing the seventh Framework Programme (2007-2011) of the European Atomic Energy Community (Euratom) for nuclear research and training activities**

**(Text with EEA relevance)**

Article 3 is replaced as follows:

*“Article 3*

In accordance with Article 3 of the Framework Programme, the amount deemed necessary for the execution of the Specific Programme shall be EUR 2 234 million<sup>i</sup>, of which 15 % shall be for the Commission’s administrative expenditure.

Fusion energy research	1 947 <sup>ii</sup>
Nuclear Fission and radiation protection	287 <sup>iii</sup> ”

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<sup>i</sup> EUR 2015 million in 2004 prices  
<sup>ii</sup> EUR 1755 million in 2004 prices  
<sup>iii</sup> EUR 260 million in 2004 prices.

## LEGISLATIVE FINANCIAL STATEMENT

### **1. NAME OF THE PROPOSAL:**

Proposal for a Council Decision adopting a specific programme for nuclear research and training activities under the 7th Euratom Framework Programme

### **2. ABM / ABB FRAMEWORK**

#### **Fusion energy research:**

- The realisation of ITER
- R&D in preparation of ITER operation
- Technology activities in preparation of DEMO
- R&D activities for the longer term
- Human resources, education and training
- Infrastructures
- Responding to emerging and unforeseen policy needs

#### **Research on nuclear fission and radiation protection:**

- Management of radioactive waste
- Reactor systems
- Radiation protection
- Infrastructures
- Human resources and training

### **3. BUDGET LINES**

#### **3.1. Budget lines (operational lines and related technical and administrative assistance lines) including headings:**

08 19 01 Euratom - Fusion energy (RTD); 08 19 02 Euratom - Joint Undertaking ITER; 08 20 01 Euratom - Nuclear Fission and radiation protection

#### **3.2. Duration of the action and of the financial impact:**

2007-2011

**3.3. Budgetary characteristics (add rows if necessary):**

Budget line	Type of expenditure		New	EFTA contribution	Contributions from applicant countries	Heading in financial perspective
08	Non-comp	Diff <sup>1</sup> /	YES	NO	YES	No [1a]
XX.01	Non-comp	Non-diff <sup>2</sup>	NO	NO	NO	No [1a]
XX.01.04	Non-comp	Non-diff	YES	NO	YES	No [1a]
XX.01.05	Non-comp	Non-diff	YES	NO	YES	No [1a]

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<sup>1</sup> Differentiated appropriations.

<sup>2</sup> Non-differentiated appropriations here after referred to as NDA.

## 4. SUMMARY OF RESOURCES

### 4.1. Financial Resources

#### 4.1.1. Summary of commitment appropriations (CA) and payment appropriations (PA)

EUR million (to 3 decimal places)

Expenditure type	Section no.		2007	2008	2009	2010	2011	Total
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#### Operational expenditure<sup>3</sup>

Commitment Appropriations (CA)	8.1	a	262,881	326,660	428,143	437,833	447,121	<b>1.902,638</b>
Payment Appropriations (PA)		b	78,000	196,384	334,975	408,340	884,939	<b>1.902,638</b>

#### Administrative expenditure within reference amount<sup>4</sup>

Technical & administrative assistance (NDA)	8.2.4	c	44,869	69,510	70,901	72,318	73,764	<b>331,362</b>
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#### TOTAL REFERENCE AMOUNT

<b>Commitment Appropriations</b>		<b>a+c</b>	<b>307,750</b>	<b>396,170</b>	<b>499,044</b>	<b>510,151</b>	<b>520,885</b>	<b>2.234,000</b>
<b>Payment Appropriations</b>		<b>b+c</b>	<b>122,869</b>	<b>265,894</b>	<b>405,876</b>	<b>480,658</b>	<b>958,703</b>	<b>2.234,000</b>

#### Administrative expenditure not included in reference amount<sup>5</sup>

Human resources and associated expenditure (NDA)	8.2.5 d							
Administrative costs, other than human resources and associated costs, not included in reference amount (NDA)	8.2.6 e							

<sup>3</sup> Expenditure that does not fall under Chapter xx 01 of the Title xx concerned.

<sup>4</sup> Expenditure within article xx 01 05 of Title xx.

<sup>5</sup> Expenditure within chapter xx 01 other than articles xx 01 05.

### Total indicative financial cost of intervention

<b>TOTAL CA including cost of Human Resources</b>	a+c +d +e	307,750	396,170	499,044	510,151	520,885	2.234,000
<b>TOTAL PA including cost of Human Resources</b>	b+c +d +e	122,869	265,894	405,876	480,658	958,703	2.234,000

### Co-financing details

If the proposal involves co-financing by Member States, or other bodies (please specify which), an estimate of the level of this co-financing should be indicated in the table below (additional lines may be added if different bodies are foreseen for the provision of the co-financing):

*EUR million (to 3 decimal places)*

Co-financing body		Year n	n + 1	n + 2	n + 3	n + 4	n + 5 and later	Total
.....	f							
<b>TOTAL CA including co-financing</b>	a+c +d+ e+f							

#### 4.1.2. Compatibility with Financial Programming

- Proposal is compatible with next financial programming (Interinstitutional agreement on the financial framework 2007-2013).
- Proposal will entail reprogramming of the relevant heading in the financial perspective.
- Proposal may require application of the provisions of the Interinstitutional Agreement<sup>6</sup> (i.e. flexibility instrument or revision of the financial perspective).

#### 4.1.3. Financial impact on Revenue

- Proposal has no financial implications on revenue
- Proposal has financial impact – the effect on revenue is as follows:

Certain Associated States may contribute to the funding of the framework programmes.

In accordance with Article 161 of the Financial Regulation, the Joint Research Centre may benefit from revenue from various types of competitive activities and from other services provided for outside bodies.

<sup>6</sup> See points 19 and 24 of the Interinstitutional agreement.

In accordance with Article 18 of the Financial Regulation, certain revenue may be used to finance specific items.

EUR million (to one decimal place)

Budget line	Revenue	Prior to action [Year n-1]	Situation following action							
			[Year n]	[n+1]	[n+2]	[n+3 ]	[n+4]	[n+5]		
	<i>a) Revenue in absolute terms</i>									
	<i>b) Change in revenue</i>	$\Delta$								

**4.2. Human Resources FTE (including officials, temporary and external staff) – see detail under point 8.2.1.**

Annual requirements	2007	2008	2009	2010	2011
Total number of human resources	491	491	491	491	491

It will be necessary to consider year by year the consequences for human resources of the phasing out of the 6<sup>th</sup> Framework Programme and the phasing in of the 7<sup>th</sup> Framework Programme.

**5. CHARACTERISTICS AND OBJECTIVES**

**5.1. Need to be met in the short or long term**

This Specific Programme addresses the need to enhance the excellence and innovation and to ensure cooperation and effectiveness through support for research and training in the areas of (i) Fusion Energy Research and (ii) Nuclear Fission and radiation protection.

**5.2. Value-added of Community involvement and coherence of the proposal with other financial instruments and possible synergy**

The value added of the support to be provided in this Specific Programme will be to strengthen nuclear research in the area (i) Fusion Energy Research and (ii) Nuclear Fission and radiation protection on Community level. Whenever appropriate, synergies and complementarity will be sought with other community policies and programmes.

**5.3. Objectives, expected results and related indicators of the proposal in the context of the ABM framework**

1. Fusion Energy Research: Developing the knowledge base for, and realising ITER as the major step towards, the creation of prototype reactors for power stations which are safe, sustainable, environmentally responsible, and economically viable.

2. Nuclear Fission and Radiation Protection: Establishing a sound scientific and technical basis in order to accelerate practical developments for the safer management of long-lived radioactive waste, promoting safer, more resource-efficient and competitive exploitation of nuclear energy and ensuring a robust and socially acceptable system of protection of man and the environment against the effects of ionising radiation.

Performance indicators will be developed at three levels. Quantitative and qualitative indicators will be developed to show the path or direction of scientific and technical progress, such as new standards and tools, scientific techniques, patent applications and licence agreements for new products, process and services.

Management indicators will be developed to monitor performance internally and support senior management decision making. These could include level of budget execution, time to contract and time to payment.

Outcome (impact) indicators will be used to assess the overall effectiveness of the research against high level objectives. These could include assessment at the aggregate Framework Programme Level (e.g. impact on the achievement of the Lisbon, Goeteborg, Barcelona and other objectives) and assessment at the SP level (e.g. contribution made to the EU S&T and economic performance).

#### **5.4. Method of Implementation (indicative)**

Show below the method(s) chosen for the implementation of the action.

##### ***Centralised Management***

Directly by the Commission

Indirectly by delegation to:

Executive Agencies

Bodies set up by the Communities as referred to in art. 185 of the Financial Regulation

National public-sector bodies/bodies with public-service mission

##### ***Shared or decentralised management***

With Member states

With Third countries

##### ***Joint management with international organisations (please specify)***

The Commission proposes a centralised management of this programme, both directly by the Commission and indirectly by delegation to an Executive Agency or to structures created according to the Euratom Treaty.

Part of the Programme will be executed through the European Legal Entity for ITER (Barcelona).

Externalisation is an important part of the management of this framework programme. It is, in addition, a progressive exercise. Within this context, the possibility will be explored for certain administrative parts of this programme to be externalised. The continued possibility to sub-contract specific tasks to private companies (e.g. for the development, operation and support of IT tools) will not be ruled out.

## **6. MONITORING AND EVALUATION**

Monitoring and evaluation aspects are set out in the Legislative Financial Statement of the proposal of the 7th framework programme - COM(2005) 119.

## **7. ANTI-FRAUD MEASURES**

Appropriate measures should also be taken to prevent irregularities and fraud and the necessary steps should be taken to recover funds lost, wrongly paid or incorrectly used in accordance with Council Regulation (EC, Euratom) No 1605/2002 of 25 June 2002 on the Financial Regulation applicable to the general budget of the European Communities<sup>7</sup>, Commission Regulation (EC, Euratom) No 2342/2002 of 23 December 2002 laying down detailed rules for the implementation of Council Regulation (EC, Euratom) No 1605/2002<sup>8</sup>, Council Regulations (EC, Euratom) No 2988/95 of 18 December 1995 on the protection of the European Communities financial interests<sup>9</sup>, (Euratom, EC) No 2185/96 of 11 November 1996 concerning on-the-spot checks and inspections carried out by the Commission in order to protect the European Communities' financial interests against fraud and other irregularities<sup>10</sup> and Regulation (EC) No 1073/1999 of the European Parliament and of the Council concerning investigations conducted by the European Anti-Fraud Office (OLAF)<sup>11</sup>.

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<sup>7</sup> OJ L 248, 16.9.2002, p. 1.

<sup>8</sup> OJ L 357, 31.12.2002, p. 1.

<sup>9</sup> OJ L 312, 23.12.1995, p. 1.

<sup>10</sup> OJ L 292, 15.11.1996, p. 2.

<sup>11</sup> OJ L 136, 31.5.1999, p. 1.

## 8. DETAILS OF RESOURCES

### 8.1. Objectives of the proposal in terms of their financial cost

*Commitment appropriations in EUR million (to 3 decimal places)*

(Headings of Objectives, actions and outputs should be provided)	Year 2007		Year 2008		Year 2009		Year 2010		Year 2011		Year 2012 (indicative)		Year 2013 (indicative)		TOTAL	
	No. outputs	Total cost	No. outputs	Total cost	No. outputs	Total cost	No. outputs	Total cost	No. outputs	Total cost	No. outputs	Total cost	No. outputs	Total cost	No. outputs	Total cost
OPERATIONAL OBJECTIVE No.1 <sup>12</sup>  Fusion energy research		252,567		339,884		441,632		451,591		461,326		471,007		482,045		<b>2,900,052</b>
OPERATIONAL OBJECTIVE No.2 <sup>1</sup>  Nuclear Fission and radiation protection		55,183		56,286		57,412		58,560		59,559		60,926		63,076		<b>411,002</b>
<b>TOTAL COST</b>		<b>307,750</b>		<b>396,170</b>		<b>499,044</b>		<b>510,151</b>		<b>520,885</b>		<b>531,933</b>		<b>545,121</b>		<b>3,311,054</b>

<sup>12</sup> As described under Section 5.3.

## 8.2. Administrative Expenditure

### 8.2.1. Number and type of human resources

Types of post		Staff to be assigned to management of the action using existing and/or additional resources ( <b>number of posts/FTEs</b> )				
		Year 2007	Year 2008	Year 2009	Year 2010	Year 2011
Officials or temporary staff <sup>13</sup> (XX 01 01)	A*/AD					
	B*, C*/AST					
Staff financed <sup>14</sup> by art. XX 01 02						
Other staff <sup>15</sup> financed by art. XX 01 05 and 08 01 04 40	A*/AD	240	240	240	240	240
	B*, C*/AST	160	160	160	160	160
External staff		91	91	91	91	91
<b>TOTAL</b>		<b>491</b>	<b>491</b>	<b>491</b>	<b>491</b>	<b>491</b>

### 8.2.2. Description of tasks deriving from the action

Implementation of the Framework Programme

### 8.2.3. Sources of human resources (statutory)

(When more than one source is stated, please indicate the number of posts originating from each of the sources)

- Posts currently allocated to the management of the programme to be replaced or extended
- Posts pre-allocated within the APS/PDB exercise for year 2007
- Posts to be requested in the next APS/PDB procedure
- Posts to be redeployed using existing resources within the managing service (internal redeployment)
- Posts required for year n although not foreseen in the APS/PDB exercise of the year in question

<sup>13</sup> Cost of which is NOT covered by the reference amount.

<sup>14</sup> Cost of which is NOT covered by the reference amount.

<sup>15</sup> Cost of which is included within the reference amount.

8.2.4. *Other Administrative expenditure included in reference amount (XX 01 05 – Expenditure on administrative management)*

EUR million (to 3 decimal places)

Budget line (number and heading)	Year 2007	Year 2008	Year 2009	Year 2010	Year 2011	TOTAL
<b>Statutory staff</b> <b>xx.01 05 01</b> and 08 01 04 40	29,111	46,761	47,696	48,650	49,623	<b>221,841</b>
<b>External staff</b> <b>xx.01 05 02</b> and 08 01 04 40	4,636	4,728	4,823	4,919	5,017	<b>24,123</b>
<b>Other administrative expenses</b> <b>xx.01 05 03</b> and 08 01 04 40	11,122	18,021	18,382	18,749	19,124	<b>85,398</b>
<b>Total Technical and administrative assistance</b>	<b>44,869</b>	<b>69,510</b>	<b>70,901</b>	<b>72,318</b>	<b>73,764</b>	<b>331,362</b>

8.2.5. *Financial cost of human resources and associated costs not included in the reference amount*

EUR million (to 3 decimal places)

Type of human resources	Year 2007	Year 2008	Year 2009	Year 2010	Year 2011	TOTAL
Officials and temporary staff (08 0101 and )						
Staff financed by Art XX 01 02 (auxiliary, END, contract staff, etc.)						
<b>Total cost of Human Resources and associated costs (NOT in reference amount)</b>						

Calculation– *Administrative expenditures*

*Have been calculated taking into account the following hypothesis :*

*- the following assumptions in 2004 prices (with 2% inflation) :*

*cost of official permanent staff and temporary agent : 108 000 €/year*

*cost of external staff : 48 000 €/year*

*cost of other administrative expenses : 35 % of staff cost*

*-figures for 2007 correspond to PDB 2007*

*- for the part related to budget lines XX.01.04.40 : number of staff and related expenditures equivalent to 60 permanent posts, 85 temporary agents and 30 contractual agents in 2007 for ITER (Statutory staff : 7,63 Mio €, External staff : 1,11 Mio€ and Other administrative expenses : 6,56 Mio€). For the period 2008-2011 statutory staff remains constant (60 permanent and 85 temporary agents) and the number of contractual agents increases to 45.*

**Calculation– Staff financed under art. XX 01 02**

*Reference should be made to Point 8.2.1, if applicable*

### 8.2.6 Other administrative expenditure not included in reference amount

*EUR million (to 3 decimal places)*

	Year 2007	Year 2008	Year 2009	Year 2010	Year 2011	TOTAL
XX 01 02 11 01 – Missions						
XX 01 02 11 02 – Meetings & Conferences						
XX 01 02 11 03 – Committees <sup>16</sup>						
XX 01 02 11 04 – Studies & consultations						
XX 01 02 11 05 - Information systems						
<b>2 Total Other Management Expenditure (XX 01 02 11)</b>						
<b>3 Other expenditure of an administrative nature</b> (specify including reference to budget line)						
<b>Total Administrative expenditure, other than human resources and associated costs (NOT included in reference amount)</b>						

**Calculation - Other administrative expenditure not included in reference amount**

The needs for human and administrative resources shall be covered within the allocation granted to the managing DG in the framework of the annual allocation procedure.

<sup>16</sup> CST Euratom.