

**MAJOR PROGRAMME 3  
NUCLEAR SAFETY AND SECURITY**

Summary of Programme and Budget

Table 12

2004-05 Project Codes		2004			2005		
		Regular Budget (2004 prices)	Extra- Budgetary a_/	CAURBs Unfunded	Regular Budget (2004 prices)	Extra- Budgetary a_/	CAURBs Unfunded
3.	Overall Management, Co-ordination and Common Activities	952 000	-	-	952 000	-	-
		952 000	-	-	952 000	-	-
J.1.	National Regulatory Infrastructure for Nuclear Installation Safety						
J.1.01	Strengthening national regulatory infrastructures	691 000	50 000	-	695 100	50 000	-
J.1.02	Enhancing regulatory supervision of research reactors	210 900	-	-	210 900	-	-
J.1.03	Event reporting and analysis for regulators	371 700	39 000	-	371 700	39 000	-
	Subtotal J.1.	1 273 600	89 000	-	1 277 700	89 000	-
J.2.	Information and Communication Networks and Global Infrastructure for Nuclear Installation Safety						
J.2.01	Harmonizing the approaches to safety standards for nuclear installations	361 600	-	-	282 400	-	-
J.2.02	Promoting integrated safety evaluation	46 100	20 000	-	46 100	20 000	-
J.2.03	Implementing a strategy for sustainable education and training in nuclear installation safety	80 800	-	-	80 800	-	-
J.2.04	Increasing openness and transparency in nuclear safety	246 800	-	-	252 000	-	-
J.2.05	Maintaining the International Nuclear Event Scale (INES) and information exchange on nuclear and radiation events (NEWS)	144 600	117 000	-	143 600	117 000	-
J.2.06	Supporting regional safety network programmes	110 400	1 582 000	-	115 400	1 582 000	-
J.2.07	Servicing the Convention on Nuclear Safety	150 200	-	-	303 700	-	-
	Subtotal J.2.	1 140 500	1 719 000	-	1 224 000	1 719 000	-
J.3.	Use of Advanced Tools for Safety Assessment						
J.3.01	Assisting in the use of advanced safety analysis tools	548 600	-	-	582 400	-	-
J.3.02	Assisting in the use of safety management tools	708 300	-	-	716 800	-	-
J.3.03	Strengthening quality assurance in the safety of nuclear installations	27 100	-	-	21 900	-	-
	Subtotal J.3.	1 284 000	-	-	1 321 100	-	-

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 Table 12 (Contd.)

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J.4.	Engineering Safety of Innovative and Evolutionary Reactors						
J.4.01	269 600	65 000	-	255 200	65 000	-	
J.4.02	215 100	65 000	-	228 500	65 000	-	
	Subtotal J.4.	484 700	130 000	-	483 700	130 000	-
J.5.	Engineering Safety of Existing Nuclear Installations and Site Evaluation						
J.5.01	208 100	428 000	-	211 400	428 000	-	
J.5.02	118 500	52 000	-	159 100	52 000	-	
J.5.03	462 100	-	-	422 700	-	-	
	Subtotal J.5.	788 700	480 000	-	793 200	480 000	-
J.6	Operational Safety						
J.6.01	1 082 200	377 000	-	1 156 700	377 000	-	
J.6.02	502 300	130 000	-	484 700	130 000	-	
J.6.03	597 600	13 000	-	609 000	13 000	-	
	Subtotal J.6.	2 182 100	520 000	-	2 250 400	520 000	-
J.7.	Research Reactor Safety						
J.7.01	640 400	100 000	-	573 600	100 000	-	
J.7.02	193 800	-	-	198 100	-	-	
	Subtotal J.7.	834 200	100 000	-	771 700	100 000	-
J.8.	Safety of Fuel Cycle Installations						
J.8.01	124 100	52 000	-	136 600	52 000	-	
J.8.02	168 000	52 000	-	153 300	52 000	-	
	Subtotal J.8.	292 100	104 000	-	289 900	104 000	-
	<b>Programme J - Safety of Nuclear Installations</b>	<b>8 279 900</b>	<b>3 142 000</b>	<b>-</b>	<b>8 411 700</b>	<b>3 142 000</b>	<b>-</b>

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 Summary of Programme and Budget  
 Table 12 (Contd.)

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	Regular Budget (2004 prices)	Extra- Budgetary a_/	CAURBs Unfunded	Regular Budget (2004 prices)	Extra- Budgetary a_/	CAURBs Unfunded	
K.1.	National and Global Infrastructure Enhancement for Radiation and Transport Safety						
K.1.01	323 200	-	-	325 200	-	-	
K.1.02	327 700	-	-	329 800	-	-	
K.1.03	235 500	100 000	-	233 400	100 000	-	
K.1.04	123 100	-	-	123 100	-	-	
	Subtotal K.1.	1 009 500	100 000	-	1 011 500	100 000	-
K.2.	Information and Communication Networks for Radiation and Transport Safety						
K.2.01	229 300	-	-	229 300	-	-	
K.2.02	53 500	-	-	53 500	-	-	
	Subtotal K.2.	282 800	-	-	282 800	-	-
K.3.	Application of Safety Standards to the Agency's own Operations						
K.3.01	14 700	-	-	14 700	-	-	
K.3.02	311 900	-	-	311 900	-	-	
	Subtotal K.3.	326 600	-	-	326 600	-	-
K.4.	Occupational Radiation Protection						
K.4.01	219 800	-	-	220 900	-	-	
K.4.02	203 800	-	-	204 900	-	-	
K.4.03	118 400	-	20 000	120 500	-	23 000	
	Subtotal K.4.	542 000	-	20 000	546 300	-	23 000

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 Summary of Programme and Budget  
 Table 12 (Contd.)

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	Regular Budget (2004 prices)	Extra- Budgetary a_/	CAURBs Unfunded	Regular Budget (2004 prices)	Extra- Budgetary a_/	CAURBs Unfunded
K.5. Radiological Protection of Patients						
K.5.01 Avoiding unnecessary radiation exposures to patients undergoing interventional procedures using X-ray imaging	209 700	-	-	213 000	-	-
K.5.02 Optimizing the radiation protection of patients undergoing radiodiagnostic procedures (including conventional and digital radiology and computed tomography)	158 600	-	41 000	149 300	-	22 000
K.5.03 Optimizing the radiation protection for medical exposures in nuclear medicine and preventing the misadministration of radioactive substances	91 100	-	25 000	88 000	-	25 000
K.5.04 Preventing accidental exposures to patients undergoing radiotherapeutic procedures	89 900	-	119 000	89 900	-	117 000
Subtotal K.5.	549 300	-	185 000	540 200	-	164 000
K.6. Control of Radiation Sources						
K.6.01 Enhancing safety of radiation sources	387 800	120 000	-	402 300	120 000	-
K.6.02 Strengthening the regulatory control of radiation sources	430 600	-	-	430 600	-	-
Subtotal K.6.	818 400	120 000	-	832 900	120 000	-
K.7. Safety of the Transport of Radioactive Material						
K.7.01 Reviewing the international regulations for the safe transport of radioactive material and supporting the development of regulatory guidance	375 800	-	-	379 900	-	-
K.7.02 Incorporating regulations for the safe transport of radioactive material into modal regulatory requirements	138 800	-	2 000	146 000	-	2 000
K.7.03 Appraising national compliance with the international regulations for the safe transport of radioactive material	197 400	-	-	189 200	-	-
K.7.04 Evaluating risk in the maritime transport of radioactive materials	109 000	-	32 000	105 900	-	19 000
Subtotal K.7.	821 000	-	34 000	821 000	-	21 000
K.8. Preparedness for and Response to Nuclear or Radiological Emergencies						
K.8.01 Enhancing international requirements and strengthening national planning for preparedness for, and response to, nuclear and radiological emergencies	355 600	-	115 000	322 300	-	89 000
K.8.02 Strengthening and operating the Agency's Emergency Response Centre, including liaising with national competent authorities and relevant international organizations	270 000	200 000	70 000	291 600	200 000	117 000
K.8.03 Responding to nuclear or radiological emergencies, including requests by States and Parties to the Early Notification and Assistance Conventions	253 400	-	57 000	253 400	-	57 000
K.8.04 Evaluating retrospectively nuclear accidents and radiological emergencies, and responses to them	128 300	-	30 000	128 300	-	45 000
Subtotal K.8.	1 007 300	200 000	272 000	995 600	200 000	308 000
<b>Programme K - Radiation and Transport Safety</b>	<b>5 356 900</b>	<b>420 000</b>	<b>511 000</b>	<b>5 356 900</b>	<b>420 000</b>	<b>516 000</b>

**MAJOR PROGRAMME 3**  
**NUCLEAR SAFETY AND SECURITY**  
 Summary of Programme and Budget  
 Table 12 (Contd.)

2004-05 Project Codes	2004			2005		
	Regular Budget (2004 prices)	Extra- Budgetary a_/	CAURBs Unfunded	Regular Budget (2004 prices)	Extra- Budgetary a_/	CAURBs Unfunded
L.1. National and Global Infrastructure Enhancement for Radioactive Waste Safety						
L.1.01 Reviewing and approving waste safety standards	380 500	-	-	380 500	-	-
L.1.02 Strengthening national regulatory infrastructures and promoting integrated safety evaluations	275 500	-	5 000	273 400	-	5 000
L.1.03 Implementing a strategy for sustainable education and training in waste safety	129 800	-	10 000	121 600	-	10 000
L.1.04 Servicing the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management	134 100	-	-	149 700	-	-
Subtotal L.1.	919 900	-	15 000	925 200	-	15 000
L.2. Information and Communication Networks on Radioactive Waste Management						
L.2.01 Managing radioactive waste information systems	437 400	-	139 000	444 100	-	76 000
L.2.02 Facilitating exchange of technical radioactive waste management information and know-how	291 000	-	-	291 000	-	-
L.2.03 Communicating waste management issues to the public	21 000	-	98 000	21 000	-	104 000
Subtotal L.2.	749 400	-	237 000	756 100	-	180 000
L.3. Safety Policies and Approaches for Disposable Radioactive Waste Safety						
L.3.01 Elaborating an internationally harmonized approach for removing radioactive waste from the regulatory system	121 400	-	-	117 300	-	-
L.3.02 Improving the safety of pre-disposal radioactive waste management	233 000	-	25 000	216 400	-	4 000
L.3.03 Developing a globally harmonized approach for the safe disposal of radioactive waste from the nuclear fuel cycle	410 400	430 000	32 000	445 700	430 000	-
L.3.04 Establishing a rational basis for the safe management of other types of radioactive waste	233 500	-	-	225 200	-	-
Subtotal L.3.	998 300	430 000	57 000	1 004 600	430 000	4 000
L.4. Technologies for Disposable Radioactive Waste Management						
L.4.01 Transferring technologies for the predisposal management of radioactive waste	706 900	-	-	709 100	-	-
L.4.02 Building confidence in geological disposal of radioactive waste	541 400	-	-	510 100	-	-
L.4.03 Transferring technologies for the near surface disposal of radioactive waste based on operating experience	353 100	-	-	356 200	-	-
Subtotal L.4.	1 601 400	-	-	1 575 400	-	-

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L.5. Safe Discharge of Radioactive Substances to the Environment						
L.5.01 Constraining the discharge of radioactive substances to the environment	309 100	-	-	306 100	-	-
L.5.02 Monitoring and maintaining an inventory of discharges of radioactive substances to the environment	268 100	-	32 000	280 600	-	39 000
L.5.03 Supporting international undertakings concerned with releases of radioactive substances to the environment (the London Convention, 1972)	226 500	-	4 000	219 300	-	5 000
Subtotal L.5.	803 700	-	36 000	806 000	-	44 000
L.6. Safe Management of Radioactive Residues: Decommissioning Facilities and Restoring Environments						
L.6.01 Developing guidance and criteria for the safe termination of nuclear practices	275 000	30 000	-	288 600	30 000	-
L.6.02 Regulating and remediating environments with residues from naturally occurring radioactive residues (NORMs)	99 600	-	50 000	99 600	-	35 000
L.6.03 Preparing for the remediation of environments affected by radioactive residues from past activities and events	182 600	-	5 000	174 200	-	-
Subtotal L.6.	557 200	30 000	55 000	562 400	30 000	35 000
L.7. Technologies for the Decommissioning of Installations and Restoration of Sites						
L.7.01 Facilitating the transfer of sustainable technologies for decommissioning of facilities	262 300	-	-	260 200	-	8 000
L.7.02 Promoting technologies for restoration of contaminated sites	231 200	-	-	230 300	-	-
Subtotal L.7.	493 500	-	-	490 500	-	8 000
L.8. Management of Disused Sealed Radioactive Sources						
L.8.01 Conditioning disused sealed radioactive sources	170 100	-	-	174 400	-	-
L.8.02 Building capacity in Member States to manage disused sealed radioactive sources	167 300	-	-	194 400	-	-
Subtotal L.8.	337 400	-	-	368 800	-	-
<b>Programme L - Management of Radioactive Waste</b>	<b>6 460 800</b>	<b>460 000</b>	<b>400 000</b>	<b>6 489 000</b>	<b>460 000</b>	<b>286 000</b>

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		Regular Budget (2004 prices)	Extra- Budgetary a_/	CAURBs Unfunded	Regular Budget (2004 prices)	Extra- Budgetary a_/	CAURBs Unfunded
M.1	Nuclear Security Information Management and Co-ordination						
M.1.01	Nuclear security co-ordination	248 900	112 000	-	248 900	112 000	-
M.1.02	Nuclear security information	69 500	184 000	-	69 500	184 000	-
	<b>Subtotal M.1.</b>	<b>318 400</b>	<b>296 000</b>	<b>-</b>	<b>318 400</b>	<b>296 000</b>	<b>-</b>
M.2.	Physical Protection						
M.2.01	Developing guidelines and recommendations for physical protection	137 800	99 000	-	137 800	99 000	-
M.2.02	Developing and improving physical protection approaches	57 300	225 000	-	57 300	225 000	-
M.2.03	Nuclear safety engineering for physical protection	-	-	-	-	-	-
M.2.04	Advisory services for physical protection	73 800	120 000	-	73 800	120 000	-
M.2.05	Providing for upgraded and improved physical protection	59 900	85 000	-	59 900	85 000	-
M.2.06	Training in physical protection	82 700	316 000	-	82 700	316 000	-
	<b>Subtotal M.2.</b>	<b>411 500</b>	<b>845 000</b>	<b>-</b>	<b>411 500</b>	<b>845 000</b>	<b>-</b>
M.3.	Detection of and Response to Malicious Activities Involving Nuclear and other Radioactive Materials						
M.3.01	Guidelines and recommendations for detection and response to malicious acts	110 600	53 000	-	110 600	53 000	-
M.3.02	Improved technology and instruments for detection of nuclear and other radioactive material in illicit trafficking	81 800	193 000	-	81 800	193 000	-
M.3.03	Securing radioactive materials against terrorism	258 700	-	-	258 700	-	-
M.3.04	Advisory services for detection and response to malicious acts	85 300	53 000	-	85 300	53 000	-
M.3.05	Provision of training and technical support for detection and response	85 100	303 000	-	85 100	303 000	-
	<b>Subtotal M.3.</b>	<b>621 500</b>	<b>602 000</b>	<b>-</b>	<b>621 500</b>	<b>602 000</b>	<b>-</b>
	<b>Programme M - Nuclear Security</b>	<b>1 351 400</b>	<b>1 743 000</b>	<b>-</b>	<b>1 351 400</b>	<b>1 743 000</b>	<b>-</b>
	<b>Major Programme 3</b>	<b>22 401 000</b>	<b>5 765 000</b>	<b>911 000</b>	<b>22 561 000</b>	<b>5 765 000</b>	<b>802 000</b>

a\_/ Includes CAURB's extrabudgetary, NSF extrabudgetary and funds from other UN organizations (where applicable) - see Tables 3A and 3B for details.  
 Note: For Programme M, the amounts in column "Extrabudgetary" reflect mainly funds for the expected continuation of presently available cost free experts.