## Nuclear safety and radiation protection

In the field of *radiation protection* during the reporting period, the following legal acts were approved by CoM:

* Decision of Council of Ministers No 123 of 5.03.2014 “On the set up, composition and form of organization, operation, remuneration of the Radiation Protection Commission”. The Decision defines the composition and functioning of the RPC, with a four-year term. Institutions represented in this Commission are the Ministry of Health, Institute of Public Health, Institute of Applied Nuclear Physics, Authority of Electronic and Postal Communications, experts of radiation protections, and five experts
* Decision of Council of Ministers No.404 of 16.06.2014 “On the approval of the Regulation on the basic standards of radiological installations in medicine” Quality Control
* No843 date 3 12 2014 Regulation “On the protection of workers occupationally exposed to electromagnetic waves”, which will partially approximate the Directive 2004/40/EC of the European Parliament and of the Council of 29 April 2004 on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (electromagnetic fields) (18th individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC), as amended; Is prepared the final draft of this regulation and is approved in principle by Radiation Protection Commission.

Radiation Protection Commission (RPC) approved as well:

* Order No.124 of 27.03.2014 “On determination of the members and experts of the RPC”
* The document No.3618/5 of 13.05.2014 “Procedures for the evaluation of the application for the license for activities with ionising radiation sources”
* Document No.6097/6 of 24.10.2014 on “Methodology on assessment of the distribution of electromagnetic radiation and definition of critical area for a cellular antenna when near are located the other antennas”
* Document No.3618/3 of 13.05.2014 “Procedures for the evaluation of the application for recognition by RPC as qualified expert for protection from non-ionizing radiation ”Document No.3618/4 of 13.05.2014 “Procedures for the evaluation of the application for recognition by RPC as qualified expert for protection from ionizing radiation”
* Guidance No.6097/5 of 24.10.2014 “Methodologies on express control of the goods for radioactive contamination”
* Guidance No.6097/3 of 24.10.2014 “On passive method for determining the concentration of radon in indoor”
* Guidelines No.138 of 03.04.2014 “On the approval of issuing tariffs of the approval act to carry out activities with sources of non-ionising radiation”, which defines the fees that individuals and companies, public or private should pay in order to receive the approval act to operate non-ionising radiation sources; (amended, Point 1 of this guideline)
* No.6097/7 of 24.10.2014 “Procedures for the evaluation of the application for the approval act for activities with sources of non-ionising radiation”, laying down the rules for the examination of applications to carry out activities with non-ionising sources, in accordance with Decision of Council of Ministers No 743 of 10.16.2012 “ On the approval of the Regulation on the protection of the public from non-ionising radiation”.

In 2014 – 2015:the further approximation of legislation with the EU *acquis* is aimed, including:

* Draft Development and adoption of the National Strategy Document for education and training concerning radiation protection in the Republic of Albania, RPC;
* RPC document on national strategy for radioactive waste management in the Republic of Albania, partly in compliance with the Council Directive 2011/70/Euratom of 19 July 2011 establishing a Community framework for the responsible and safe management of spent fuel and radioactive waste;
* Review of “Plan of preparedness and response to radiological emergencies” including the information of the public, taking into account the IAEA recommendations of the Verification Mission organised in November 2011, partly in compliance with the Council Directive 89/618/Euratom of 27 November 1989 on informing the general public about health protection measures to be applied and steps to be taken in the event of a radiological emergency and Council Decision 87/600/Euratom of 14 December 1987 on Community arrangements for the early exchange of information in the event of a radiological emergency;
* Review of Regulation “On permitted levels of the radon concentration on buildings and water, guide levels of radionuclides in building materials, as well as permitted levels of radionuclides in food and cosmetic products, measurements and control frequency”, which should be adopted to ensure the transposition of the Directive 1996/29/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation / Directive 2013/59/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation, and repealing Directives 89/618/Euratom, 90/641/Euratom, 96/29/Euratom, 97/43/Euratom and 2003/122/Euratom;
* Review of the Regulation “On the physical protection of radioactive materials in Republic of Albania”, should be adopted to ensure the transposition of the Directive 1996/29/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation / Directive 2013/59/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation, and repealing Directives 89/618/Euratom, 90/641/Euratom, 96/29/Euratom, 97/43/Euratom and 2003/122/Euratom;

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Under the IAEA TC project RER9104, Task 2 “Assistance in drafting of radiation and nuclear safety laws and regulations in west Balkan countries and under

## the EC Beneficiary Framework Contract EA/127054/C/SER/multi, Lot 4: Energy & nuclearsafety, should be adopted in order to ensure the transposition of the EU acquis, as follows:

## Adoption of already drafted/revised regulations (2015-2018),

1. The Regulation “On **permitted levels of the radon concentration** on buildings and water, **guide levels ofradionuclides in building materials**, as well as **permitted levels of radionuclides in food and cosmetic products**, measurements and control frequency”DCM No. 591 of 18.08.2011as revised under the EC FWC EA/127054/C/SER/multi, Lot 4(new title “Regulations on reference levels and control measures of indoor radon concentration and other radionuclides concentrations in commodities”)should be adopted to ensure the transposition of the Directive 1996/29/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation / Directive 2013/59/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation, and repealing Directives 89/618/Euratom, 90/641/Euratom, 96/29/Euratom, 97/43/Euratom and 2003/122/Euratom;
2. The Regulation “On the **physical protection of radioactive materials** in Republic of Albania”, DCM No. 344 of 29.04.2011 as revised under the EC FWC EA/127054/C/SER/multi, Lot 4(new title “Regulation on physical protection of radioactive sources in the republic of Albania”) should be adopted to ensure the transposition of the Directive 1996/29/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation / Directive 2013/59/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation, and repealing Directives 89/618/Euratom, 90/641/Euratom, 96/29/Euratom, 97/43/Euratom and 2003/122/Euratom;
3. Regulation “On **safe management of radioactive waste** in the Republic of Albania” DCM No. 8 of 07.01.2010 as revised under the EC FWC EA/127054/C/SER/multi, Lot 4, should be adopted to ensure the transposition of the Directive 2011/70/Euratom establishing a Community framework for the responsible and safe management of spent fuel and radioactive waste;
4. The Regulation “On **safe transport of radioactive materials**” DCM No. 488 of 23.06.2010, as revised under the EC FWC EA/127054/C/SER/multi, Lot 4, should be adopted to ensure the transposition of the Directive 1996/29/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation / Directive 2013/59/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation, and repealing Directives 89/618/Euratom, 90/641/Euratom, 96/29/Euratom, 97/43/Euratom and 2003/122/Euratom;
5. The Regulation “On **regulatory control of activities involving naturally occurring radioactive material”**, developed under the EC FWC EA/127054/C/SER/multi, Lot 4, should be adopted to ensure the transposition of the Directive 1996/29/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation / Directive 2013/59/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation, and repealing Directives 89/618/Euratom, 90/641/Euratom, 96/29/Euratom, 97/43/Euratom and 2003/122/Euratom;
6. The Regulation “On **safety of the public to the exposure** caused by ionizing radiation sources” DCM No. 481, of 25.07.2012, as revised under this project (new title “Regulations for protection of members of the public against the dangers arising from exposure to ionizing radiation”) should be adopted to ensure the transposition of the Directive 1996/29/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation / Directive 2013/59/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation, and repealing Directives 89/618/Euratom, 90/641/Euratom, 96/29/Euratom, 97/43/Euratom and 2003/122/Euratom;
7. The Regulation “On the **protection of workers occupationally exposed** to ionizing radiation” DCM No. 590 of 18.08.2011, as revised under this project (new title “Regulations for protection of workers against the dangers arising from exposure to ionizing radiation during their work”) should be adopted to ensure the transposition of the Directive 1996/29/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation / Directive 2013/59/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation, and repealing Directives 89/618/Euratom, 90/641/Euratom, 96/29/Euratom, 97/43/Euratom and 2003/122/Euratom;
8. The Regulations “On **radiation protection of aircrews**”, developed under the EC FWC EA/127054/C/SER/multi, Lot 4, should be adopted to ensure the transposition of the Directive 1996/29/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation / Directive 2013/59/Euratom laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation, and repealing Directives 89/618/Euratom, 90/641/Euratom, 96/29/Euratom, 97/43/Euratom and 2003/122/Euratom;
9. The National Response Plan (“Preparation and response plan to radiological emergency, RPC/INP/RPO, 2007) as revised under this project should be adopted to ensure the completeness of the Albanian emergency preparedness and response arrangements.

## Development of new regulations

A regulation on the **Physical protection of the radioactive materials during transport** should be developed in order to ensure the completeness of the Albanian regulatory framework related to radioactive material transport.

Work Plan (2015 -2018)

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| **No.** | **Task** | **Deadline** | **Responsible** |
| 1 | Adoption of the revised **National Response Plan** | 1stQ 2015 | RPC |
| 2 | Adoption of the revised **Regulations on reference levels and control measures of indoor radon concentration and other radionuclides concentrations in commodities** (currentlyDCM No. 591 of 18.08.2011) | 3rdQ 2015 | RPC/MOH/Council of Ministers |
| 3 | Adoption of the revised **Regulation on physical protection of radioactive sources** in the republic of Albania (currently DCM No. 344 of 29.04.2011) | 4thQ 2015 | RPC/MOH/Council of Ministers |
| 4 | Development of a new regulation on **physical protection of the radioactive materials during transport** | 4thQ 2015 | RPC |
| 5 | Development of formal procedures for disseminating information to stakeholders | 1stQ 2016 | RPC |
| 6 | Revision of the **Regulation on safe handling of ionizing radiation sources** DCM No. 543 of 07.07.2010 | 2ndQ 2016 | RPC |
| 7 | Adoption of the revised **Regulation on safe management of radioactive waste** in the Republic of Albania (currently DCM No. 8 of 07.01.2010) | 2ndQ 2016 | RPC/MOH/Council of Ministers |
| 8 | Adoption of the revised **Regulation on safe transport of radioactive materials** (currently DCM No. 488 of 23.06.2010) | 3rdQ 2016 | RPC/MOH/Council of Ministers |
| 9 | Adoption of the newly developed **Regulation onregulatory control of activities involving naturally occurring radioactive material** | 3rdQ 2017 | RPC/MOH/Council of Ministers |
| 10 | Adoption of the revised **Regulations for protection of members of the public against the dangers arising from exposure to ionizing radiation** (currently DCM No. 481, of 25.07.2012) | 4thQ 2017 | RPC/MOH/Council of Ministers |
| 11 | Adoption of the revised **Regulations for protection of workers against the dangers arising from exposure to ionizing radiation during their work** (currently DCM No. 590 of 18.08.2011) | 2ndQ 2018 | RPC/MOH/Council of Ministers |
| 12 | Adoption of the newly developed **Regulations on radiation protection of aircrews** | 3rdQ 2018 | RPC/MOH/Council of Ministers |
| 13 | Revision of the **Law concerning Protection against Ionizing Radiation,**and introduction of provisions ensuring the decisional and financial independence of the CRP/ORP through this revision and through the revision of other relevant administrative regulations | 4thQ 2018 | RPC/MOH/Parliament |