



# **FORUM FOR NUCLEAR REGULATORY BODIES IN AFRICA**

**Thematic Working Group: Regulatory Infrastructure for Emergency  
Preparedness and Response (TWG9-EPR)**

**Survey Report: Regulations for Emergency Preparedness and  
Response**

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**Date: February 2020**

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## 1 INTRODUCTION

The FNRBA has established, in accordance with article 8 of the Charter of the FNRBA, a Thematic Working Group on Regulatory Infrastructure for Emergency Preparedness and Response (TWG9-EPR). Membership of the TWG9-EPR is voluntary and based on the needs of the FNRBA members. It is envisaged that participating countries will share information on safety standards and regulatory practices in the areas of Emergency Preparedness and Response (EPR) for all categories of nuclear and radiation facilities and activities.

The EPR activities proposed for the FNRBA draft action plan 2019-2020 include the events below:

- Emergency Preparedness and Response for Research Reactors, 18-22 November 2019
- Inter-Regional Workshop on Regulatory Experience exchange on Emergency Preparedness and Response for Embarking Countries, 2020
- Drafting of EPR Regulations Workshop, possibly 2020

The TWG9 has developed EPR regulations in French and English languages in 2017 and 2018. In order to confirm whether a drafting of EPR Regulations Workshop would be beneficial to FNRBA countries, the Steering Committee of the FNRBA resolved that TWG9 should conduct a survey to establish how many FNRBA countries have adopted the FNRBA EPR Model Regulations and to ascertain the need for an EPR regulations workshop.

## 2 PURPOSE

The purpose of this report is to document the outcome of the third survey of the TWG9 and to determine the need for conducting a workshop on EPR regulations for FNRBA countries.

## 3 METHODOLOGY

### 3.1 The Questionnaire

The questionnaire (Appendix 1) was provided via e-mail to the representatives of each of the seventeen TWG9 participating countries. The questionnaire had to be completed electronically and e-mailed back to the TWG9 Coordinator.

### 3.2 Responses to the Questionnaire

Table 1 indicates the countries that provided responses. Fourteen out of seventeen TWG9 member countries completed the questionnaire.

Table 1: List of TWG9 countries that completed the questionnaire

| TWG9 Member Country          | Completed questionnaire |
|------------------------------|-------------------------|
| Burkina Faso                 | Yes                     |
| Cameroon                     | Yes                     |
| Cote d'Ivoire                | Yes                     |
| Democratic Republic of Congo | Yes                     |
| Ethiopia                     | Yes                     |
| Ghana                        | Yes                     |
| Madagascar                   | Yes                     |
| Mali                         | Yes                     |
| Mauritius                    | Yes                     |
| Morocco                      | Yes                     |
| Niger                        | Yes                     |
| Nigeria                      | Yes                     |
| Senegal                      | Yes                     |
| South Africa                 | Yes                     |
| Sudan                        | Yes                     |
| Zambia                       | Yes                     |
| Zimbabwe                     | Yes                     |

#### 4 COUNTRIES RESPONSES AND EVALUATION

Table 2: TWG9 countries responses to questionnaire

|                              | Legislative provision for issuance of EPR regulations | Specific EPR regulation in place | Awareness of FNRBA EPR model regulations | Adoption of FNRBA EPR model regulation by country | Need for workshop on the development or review of EPR regulations |
|------------------------------|---|----------------------------------|--|---|---|
| Burkina Faso                 | Yes   | Draft                            | Yes                                      | No  | Yes   |
| Cameroon                     | Yes   | Approved                         | Yes                                      | No  | Yes   |
| Cote d'Ivoire                | Yes   | Draft                            | Yes                                      | No  | Yes   |
| Democratic Republic of Congo | Yes   | Not Started                      | Yes                                      | No  | Yes   |
| Ethiopia                     | Yes   | Not Started                      | Yes                                      | No  | Yes   |
| Ghana                        | Yes   | Draft                            | Yes                                      | Yes   | Yes   |
| Madagascar                   | Yes   | Not Started                      | Yes                                      | No  | Yes   |
| Mali                         | Yes   | Draft                            | Yes                                      | No  | Yes   |
| Mauritius                    | Yes   | Not Started                      | Yes                                      | No  | Yes   |
| Morocco                      | Yes   | Draft                            | Yes                                      | No  | Yes   |
| Niger                        | Yes   | Not Started                      | Yes                                      | No  | Yes   |
| Nigeria                      | Yes   | Draft                            | Yes                                      | Yes   | Yes   |
| Senegal                      | Yes   | Approved                         | Yes                                      | No  | Yes   |
| South Africa                 | Yes   | Draft                            | Yes                                      | No  | Yes   |
| Sudan                        | Yes   | Draft                            | Yes                                      | Yes   | No  |
| Zambia                       | Yes   | Not Started                      | No                                       | No  | Yes   |
| Zimbabwe                     | Yes   | Not Started                      | Yes                                      | No  | Yes   |

Table 3: Evaluation of TWG9 countries responses to questionnaire

| Aspect in questionnaire   | Status for TWG9 countries participating in survey  |
|---|--|
| Legislative provision for issuance of EPR regulations             | In place for <b>100%</b> of countries  |
| Specific EPR regulation in place                                  | Draft EPR regulation in place in <b>47%</b> of countries;<br>Approved EPR regulation in place in <b>12%</b> of countries |
| Awareness of FNRBA EPR model regulations                          | <b>94%</b> of countries are aware of FNBRA regulation  |
| Adoption of FNRBA EPR model regulation by country                 | <b>18%</b> of countries have adopted the FNRBA regulation  |
| Need for workshop on the development or review of EPR regulations | <b>94%</b> of countries indicated the need for an EPR regulations workshop   |

## 5 CONCLUSION

The survey provided valuable insights on the status of the EPR regulations in place in FNRBA countries. The survey shows that over 90% of countries that participated in the TWG9 survey recommends that an EPR regulations workshop be conducted for the region.

## 6 APPENDIX 1: QUESTIONNAIRE

### TWG9- EPR QUESTIONNAIRE

Type only in the yellow areas designated for data entry.

**MEMBER COUNTRY:**

Example: Algeria

**Name of Regulatory Body:**

Example: National Nuclear Regulator

1. Does the country legislation make provision for the Regulatory Body to propose or issue regulations for emergency preparedness and response? **(Select only one of the options with a x)**

Yes:

No:

2. Is a specific emergency preparedness and response regulation in place in the country? **(Select only one of the options with a x)**

Not started:

Draft:

Approved:

3. Is the country aware of the FNRBA model regulations for emergency preparedness and response? **(Select only one of the options with a x)**

Yes:

No:

4. Has the country adopted the FNRBA model regulation for emergency preparedness and response? **(Select only one of the options with a x)**

Yes:

No:

5. Will a workshop on the development or review of emergency preparedness and response regulations be useful for the country to improve arrangements? (**Select only one of the options with a x**)

Yes:

No: