

# **Joint KINS-IAEA-ANNuR/ANSN/FNRBA Basic Professional Training Course on Nuclear Safety. Korea, Daejeon, 19- 30 September 2022**

- ❑ COULIBALY FOUNDERE, Ph D, [cf.coulibaly@arsn.ci](mailto:cf.coulibaly@arsn.ci)
- ❑ GOGON Huberson, Ph D, [dh.gogon@arsn.ci](mailto:dh.gogon@arsn.ci)
- ❑ CÔTE D'IVOIRE, AUTORITÉ DE RADIOPROTECTION, DE SÛRETÉ ET SÉCURITÉ NUCLÉAIRES (ARSN)



# PLAN



2

- ❑ **LEGAL HIERARCHY**

- ❑ **LEGISLATIVE AND REGULATORY FRAMEWORK**

  - NATIONAL NUCLEAR LEGISLATION AND REGULATIONS**

  - PROMULGATED**

  - NATIONAL NUCLEAR REGULATION UNDER DEVELOPMENT**

  - INSTITUTIONAL FRAMEWORK**

- ❑ **PROCESS FOR DEVELOPMENT OF REGULATORY REQUIREMENTS**

- ❑ **INTERNATIONAL LEGAL INSTRUMENTS**



# LEGAL HIERARCHY



3

- **CONSTITUTION**
- **TREATIES OR INTERNATIONAL LEGAL INSTRUMENTS**
- **LAWS**
- **ORDONNANCES**
- **DECREES**
- **ORDERS**
- **DECISIONS**



## NATIONAL NUCLEAR LEGISLATION AND REGULATIONS PROMULGATED

- Law N° 2013-701 of October 10<sup>th</sup>, 2013 on « NUCLEAR SAFETY AND SECURITY AND PROTECTION AGAINST THE DANGERS OF IONIZING RADIATION »
- DECREE N°2014-361 ON JUNE 12, 2014, ON THE "ORGANIZATION AND FUNCTIONING OF THE RADIATION, SAFETY AND NUCLEAR SECURITY AUTHORITY (ARSN)"
- DECREE N° 2014-362 ON JUNE 12<sup>th</sup>, 2014 OF APPLICATION OF THE LAW N° 2013-701

Some act, orders on authorization, inspection, training of users, conditions based to design the RPO



## □ NATIONAL NUCLEAR REGULATION UNDER DEVELOPMENT

- DRAFT OF DECREE ON “THE PHYSICAL PROTECTION OF RADIOACTIVE MATERIALS”
- DRAFT OF DECREE ON THE SECURITY AND THE SAFETY TRANSPORT OF RADIOACTIVE MATERIAL
- DRAFT OF ORDER ON QUALITY CONTROL IN RADIODIAGNOSTICS



## INSTITUTIONAL FRAMEWORK

- **OUR REGULATORY AUTHORITY (ARSN)**

The law n ° 2013-701 of October 10th, 2013 creates in her Article 6 states: "An independent administrative authority with legal personality and financial autonomy “

- **SOME OF OUR REGULATORY AUTHORITY ARSN) MISSIONS**

- The Decree No. 2014-361 on June 12<sup>th</sup> 2014 specifies in its article 3 : "The ARSN Its mission is to implement and coordinate the Government's policy on the management and control of activities related to the use of ionizing radiations.



# LEGISLATIVE AND REGULATORY FRAMEWORK



7

- to develop regulations, guides and codes of practice, good practice in radiation protection and security for the activities and practices permitted, as well as ensure their implementation
- to ensure the safety and security of the transport of radioactive
- to issue authorizations and carry out inspections
- to collaborate with the competent authorities in setting up a national security



- to establish a categorization of sources and to keep up to date the national register of radioactive sources
- to define, update and implement in collaboration with the competent bodies, an emergency plan in case of accident
  - to establish with the national authorities and the international organizations responsible for radiation protection and nuclear safety the cooperation necessary to carry out its mission
- to carry out the technical missions of radioprotection (the individual dosimetry, control of medical exposure)



# ORGANIGRAMME

9

## CONSEIL DE REGULATION

### DIRECTEUR GENERAL

#### CABINET DU DIRECTEUR GÉNÉRAL

- Un Conseiller Technique

*Chargé du suivi des Dossiers du DG,  
des Services rattachés et des Antennes*

- SERVICE DE LA  
PLANIFICATION, DES  
STATISTIQUES ET DE  
L'EVALUATION

SERVICE COURRIER

- SERVICE DE L'AUDIT ET DE  
L'ASSURANCE QUALITÉ

- SERVICE DES SYSTEMES  
D'INFORMATION ET DE LA  
COMMUNICATION

#### DIRECTION DES AFFAIRES ADMINISTRATIVES ET FINANCIERES

(DAAF)

##### SOUS-DIRECTION DES RESSOURCES HUMAINES (SDRH)

SERVICE DU  
PERSONNEL

SERVICE DE  
L'ACTION  
SOCIALE

##### SOUS-DIRECTION DU BUDGET, DE LA COMPTABILITÉ, ET DU PATRIMOINE (SDRCP)

SERVICE DU  
BUDGET, DE LA  
COMPTABILITÉ ET  
DU  
RECOURS

SERVICE DES  
MOYENS  
GÉNÉRAUX

#### DIRECTION DES AFFAIRES JURIDIQUES ET DE LA COOPÉRATION

(DAJC)

##### SOUS-DIRECTION DES AFFAIRES JURIDIQUES (SDAJ)

SERVICE DE LA  
RÉGLEMENTATION

SERVICE DU  
CONTENTIEUX

##### SOUS-DIRECTION DE LA COOPÉRATION (SDC)

SERVICE DES  
RELATIONS  
PUBLIQUES  
NATIONALES  
(SRPN)

SERVICE DE LA  
COOPÉRATION  
INTERNATIONALE  
(SCI)

#### DIRECTION DES INSPECTIONS, DES AUTORISATIONS ET DU MATÉRIEL

(DIAM)

##### SOUS-DIRECTION DES INSPECTIONS ET DU MATÉRIEL (SDIM)

SERVICE DES  
INSPECTIONS  
DES ACTIVITÉS  
MÉDICALES  
(SIAM)

SERVICE DES  
INSPECTIONS  
DES ACTIVITÉS NON  
MÉDICALES ET  
DU MATÉRIEL  
(SIANM)

##### SOUS-DIRECTION DES AUTORISATIONS (SDA)

SERVICE DES  
AUTORISATIONS  
DES ACTIVITÉS  
MÉDICALES  
(SAAM)

SERVICE DES  
AUTORISATIONS  
DES ACTIVITÉS NON  
MÉDICALES  
(SAANM)

#### DIRECTION DE LA RADIOPROTECTION

(DRP)

##### SOUS-DIRECTION DE LA FORMATION ET DOSIMÉTRIE (SDFD)

SERVICE DE LA  
FORMATION  
DES USAGERS  
(SFU)

SERVICE DE LA  
DOSIMÉTRIE  
(SD)

##### SOUS-DIRECTION DE LA SÛRETÉ ET SÉCURITÉ NUCLÉAIRES (SDSN)

SERVICE DE LA  
SÛRETÉ ET  
SÉCURITÉ  
NUCLÉAIRES  
(SSN)

SERVICE DU  
CONTRÔLE ET  
COMPTABILITÉ  
DES MATIÈRES  
NUCLÉAIRES  
(SCCMN)

Pilote la rédaction des textes

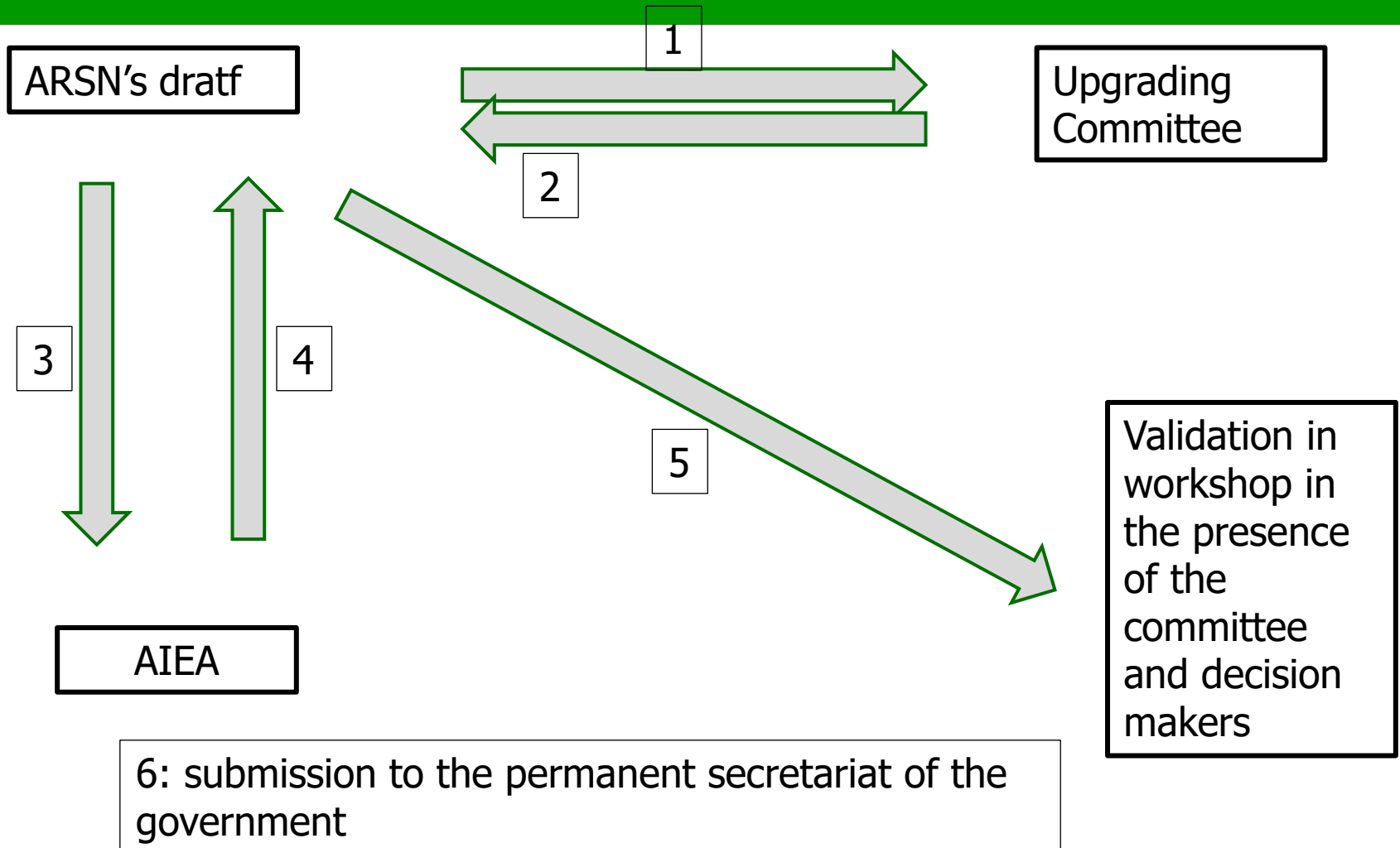
# PROCESS FOR DEVELOPMENT OF REGULATORY REQUIREMENTS

10

- ❑ **Order No. 00109/MSHPCMU/CAB/ARSN of 16/06/2022 creates the National Regulatory Framework Upgrade Committee**
- ❑ **The committee is a multi-disciplinary team of government agencies and operators including the ARSN drafting team**
- ❑ **the ARSN drafting team initiates the drafting of texts and then submits them to the committee for its comments**

# PROCESS FOR DEVELOPMENT OF REGULATORY REQUIREMENTS

11



# INSPECTION PROGRAM

12

- **An inspection program is established during year  $n-1$  to be implemented in year  $n+1$**
- **the implementation of the program depends on its financing which can be partial or total**



# INTERNATIONAL LEGAL INSTRUMENTS



13

<b>CPPNM: Convention on the Physical Protection of Nuclear Material/(Amendment)</b>		
Ratified: <b>06-12-2011</b>	Adhesion : <b>17-10-2012</b>	Enter into force <b>16-11-2012</b>
<b>CPPNM/A: Convention on the Physical Protection of Nuclear Material/(Amendment)</b>		
Ratification: <b>06-12-2011</b>	Adhesion : <b>08-05-2016</b>	Enter into force: <b>08-05-2016</b>
<b>ICSANT : International Convention for the Suppression of Acts of Nuclear Terrorism</b>		
Ratification: <b>06-12-2011</b>	Adhesion : <b>Ongoing Process</b>	Enter into force: <b>ongoing process</b>
<b>CODE DE CONDUITE: Code of Conduct on the Safety and Security of Radioactives Sources</b>		
Soutenu: <b>novembre 2011</b>	Nomination du point focal: <b>2011</b>	
<b>PROTOCOLE ADDITIONNEL on the application of safeguards in the context of the Treaty on the Non-Proliferation of Nuclear Weapons</b>		
Ratification: <b>18-12-2015</b>		Enter into force: <b>05-05-2016</b>
<b>UNSCR 1540: United Nations Charter as set out in Security Council Resolution 1540</b>		
<b>Regular reports since March 2010</b>		



# CONCLUSION



14

**Côte d'Ivoire is firmly engaged for peaceful use of radioactive sources and other nuclear materials.**

**Côte d'Ivoire needs :**

- **TRAINING**
- **STAFF DEVELOPMENT**
- **INSTRUMENT**
  - acquisition of material of detection and other materials constitute projects
- **Some partners :( former GTRI, US-NRC, AIEA, FNRBA, KINS (South Korea).**

