



7. ISSUANCE OF AUTHORISATIONS

Section 31 of the Atomic Energy Act, Cap. 154 provides that no person shall acquire, own, possess, operate, import, export, hire, loan, receive, use, install, commission, decommission, transport, store, sell, distribute, dispose of, transfer, modify, upgrade, process, manufacture or undertake any practice related to the application of atomic energy unless permitted by an authorization issued under this Act. Section 33 sets out the offences and penalties.

Authorizations are issued in two forms:



Licensing (Categories 1–4)



Registration (Category 5 sources)

Authorisations Issued per Financial Year

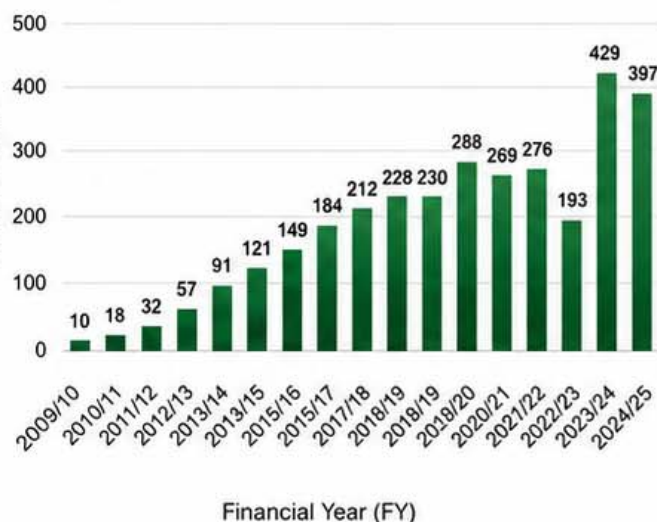


Fig 2: Pre-authorisation Inspection of a Computed Tomography (CT) Machine



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**ATOMIC
ENERGY
COUNCIL**



AUTHORIZATION



**AUTHORIZATION
OF PRACTICES**

*Protecting the public and environment
from dangers resulting from
ionizing radiation*



1. LEGAL AND REGULATORY FRAMEWORK

Authorization means permission granted in writing by the Atomic Energy Council (AEC) to a person who has submitted an application to carry out a practice.

The authorization may take the form of a certificate of registration, license or permit granted by the Council under section 37 of the Atomic Energy Act Cap. 154.

Section 8(b) of the Act empowers AEC to issue authorizations and grant exemptions for the possession and use of radiation sources; Section 8 (i) also empowers AEC to prescribe and collect fees for authorizations, inspections and other related services.



2. NOTIFICATION OF PRACTICES

Regulation 13 of the Atomic Energy Regulation, 2012 (AER, 2012) provides requirements for notification.

- (1) All practices and sources shall require notification as specified in Form 1A or 1B, Schedule 1.
- (2) Any person intending to initiate a practice or to possess a radiation source, shall submit a prior notification to the Council, and notices of his or her intention shall be handled in accordance with section 33 of the Act.
- (3) A person shall after giving notification as specified in subregulation (1) and (2), apply to the Council for authorization.



3. APPLICATION FOR AUTHORIZATION

A person shall after giving notification as specified in sub regulation 13(1) and (2) of the AER, 2012, apply to AEC for authorization for the intended practice, using the relevant application form in Schedule 1 of the AER, 2012.

Attachments to applications:

- ✓ Quality Assurance Program
- ✓ Safety Assessment Report
- ✓ Local rules
- ✓ Emergency Plan
- ✓ Academic documents of radiation workers
- ✓ Facility layout and design
- ✓ Appointment letter of Radiation Safety Officer



4. REGULATED PRACTICES

PRACTICE	PURPOSE	EXAMPLES OF EQUIPMENT
 MEDICAL	Diagnostic Radiology	Fixed X-ray, Mobile X-ray, Mammography, Dental X-ray, Bone densitometers, Computed Tomography
	Interventional Radiology	C-arm, Fluoroscopy, Catheterizers
	Nuclear Medicine	Treatment sources, calibration sources
	Radiotherapy	Linear Accelerators, Co-60 Teletherapy, HDR Brachytherapy, Calibration Sources
 INDUSTRIAL	Nuclear Gauging	Fixed gauges, Mobile gauges (Moisture, Level, Density, etc.)
	Industrial Radiography (IR)	X-ray (IR), Gamma & Beta (IR)
	Well Logging	Well logging sources, Collar markers, Pulsed Neutron Generators (PNGs)
 SECURITY	Cargo Scanning	Baggage scanners, X-ray Cargo scanners, Gamma cargo scanners, Mobile Van scanners
	Full Body Scanning	Whole body scanners
EDUCATION & RESEARCH	Education and Research work	X-ray Fluorescent, Laboratory sources



Fig 1: AEC inspector inventoring a radiation source



5. PRE-AUTHORIZATION INSPECTIONS

After review and assessment of applications, pre-authorization inspections are conducted to verify the information provided and to assess the performance of the machine and other safety (and security) related requirements in place.



ATOMIC ENERGY COUNCIL

Protecting the public and environment from dangers resulting from ionizing radiation



6. AUTHORIZATION FEES AND VALIDITY PERIOD

License/Permit	Fees (Ugx)	Valid Period
Notification of practice	20,000	New practice
Possess and Use category 1 & 2	800,000	1 year
Possess and Use category 3 & 4	500,000	2 years
Import/Export category 1 & 2	800,000	6 months/once
Import/Export category 3 & 4	500,000	6 months/once
Transport and Store radioactive source	200,000	6 months
Decommission, Sell, Transfer category 1 & 2	800,000	Open/once
Decommission, Sell, Transfer category 3 & 4	500,000	Open/once
Authorization to use radiation premises category 1 & 2	800,000	Open/once
Authorization to use radiation premises category 3 & 4	800,000	Open/once

Section 40(2) of the Atomic Energy Act Cap. 154 requires that facilities apply for renewal of a license ninety days (90) before the expiry date.

Note: Fees are Paid Through the URA Portal.