

## Design Document

<b>Concept No:</b>	LAO2012001
<b>Title:</b>	Establishing the quality and safety of diagnostic radiology services in Laos
<b>Original Language Title:</b>	Establishing the quality and safety of diagnostic radiology services in Laos
<b>Status Completed:</b>	PMO: project design opened for review
<b>Project Number:</b>	
<b>Project Type:</b>	National
<b>Project Class:</b>	Category A
<b>Submitted By:</b>	Member State
<b>Field of Activity:</b>	29 - Dosimetry and medical physics
<b>FOA Distribution:</b>	FoA Code: 29 = 100%
<b>Link to RB Programme:</b>	There is No RB Programme Link.
<b>Gap / Problem / Need Analysis:</b>	<p>The country is using radiation-based imaging techniques in the public and private health sectors. To ensure optimized quality imaging of patients, it is imperative that a quality management programme is developed and implemented by qualified staff. Although the number of diagnostic radiology devices (X rays, CT Scan, mamography) is low, each machine should be subject to a quality control programme and Imaging procedures harmonized with current best practice. Specifically the country is faced with the following challenges: 1. Lack of skilled personnel in the field of QM Programme in X-ray, CT scan, mamography imaging 2. Lack of specialized training in radiography for X-ray, CT scan technicians 3. Lack of a centralized quality management programme 4. Lack of quality control programmes, including tools, manuals, procedures 5. Lack of radio-protection programme.</p>
<b>Stakeholder Analysis and Partnership:</b>	.
<b>Objectives analysis:</b>	<p>-Better quality of live for treated Radiology patients -Increased live expectancy Radiology patients -Radiology services in the country improved and available -Physical infrastructure for radiology in place and operational -Qualified staff in radiology services -Dosimetry and radiation protection equipment is in place and operational -Guidelines and protocols adopted (according to the standards</p>
<b>Role of nuclear technology:</b>	.
<b>Physical infrastructure and human resources:</b>	.
<b>Safety regulatory infrastructure:</b>	A national radiation protection infrastructure will be established under a separate IAEA Technical Cooperation Project.

**Other considerations,  
e.g. environment,  
gender:**

**Project**

**duration(Total 2  
number of years):**

**Project  
duration(Start date):**

**Implementation  
Strategy:**

**Monitoring and  
progress reporting:**

**Risk management:**

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