

3D scanning water phantom Under URT6034	 IAEA International Atomic Energy Agency	IAEA Specification Dated 2026/07/07
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SPECIFICATION

3D Scanning Water Phantom plus additional dosimetry equipment for Ocean Road Cancer Institute (ORCI), Tanzania

1. Scope

- 1.1. This specification describes the requirements for a 3D scanning water phantom (hereinafter referred to as “the System”) to be installed at Ocean Road Cancer Institute (ORCI), Tanzania (hereinafter referred to as “the End-User”).
- 1.2. The procurement of this equipment is related to the IAEA TC project URT6034 “Expanding and Improving Radiotherapy and Nuclear Medicine Services Phase II.”

2. Applicable Documents

- 2.1. The following Core Specification shall be applicable, except where modified by this Specification:
- 2.2. IAEA Core Specification 3DSWPH01.

3. Country Specific Requirements (variations from IAEA Core Specification 3DSWPH01)

3.1 Treatment units	Varian TrueBeam, Halcyon
3.2 Connectors	TNC
3.3 Treatment Planning System (TPS)	Varian Eclipse, Elekta Monaco
3.4 Additional holders for detectors	Range of detectors including farmer type chamber (PTW 30013/30006), parallel plate chamber (PTW Markus and Advanced Markus) and PTW microSilicon
3.5 Languages for markings and operational manuals	English

4. OPTIONAL additional list of Dosimetry Equipment (variations from IAEA Core Specification 3DSWPH01)

Item	Item description	Reference Product No.	Quantity
4.1	microSilicon silicon detector for small field dosimetry (TRS483). TNC connector		1
4.2	20 m low noise triaxial extension cables with TNC connector microSilicon silicon detector		1
4.3	Digital thermometers		2