Announcement of the EURADOS Intercomparison 2026

for whole body dosemeters (IC2026ph)

EURADOS, through its Working Group 2 (WG2), has established a programme self-sustained dosimetry intercomparisons (IC) for individual monitoring services (IMS) with the aims of improving the harmonization of individual monitoring and helping IMS to comply with ISO 17025. Regular ICs for whole body dosemeters, extremity dosemeters and for eye lens dosemeters have been completed since 2008. **EURADOS now has the pleasure of announcing IC2026ph for whole body dosemeters.**

Scope

The 2026ph intercomparison is for whole body dosemeters used for the assessment of $H_p(10)$ and/or $H_p(0.07)$. Irradiations for photons will be carried out in an accredited or primary standard European irradiation facility in terms of $H_p(10)$ and $H_p(0.07)$ in the following ranges:

- Energy: 30 keV to 1.3 MeV
- Dose equivalent: 0.2 mSv to 1 Sv
- Angle of incidence: ± 60°

Intercomparison procedure

IMS wishing to participate will complete the application form which can be accessed after registration on the IC2026ph on-line platform (IOP). The participating IMS will be informed when the applications have been accepted.

On acceptance of the application, the participants will receive an invoice from EURADOS and instructions for dosemeter labelling and despatch.

The participation fee is 1350 Euro per dosimetry system. EURADOS sponsors will pay 1215 Euro for one system and 1350 Euro for any additional systems. Fees must be transferred in advance to the EURADOS bank account (bank transfer costs have to be paid by the participant) after receiving the invoice from EURADOS. Refunding will only be possible in the unlikely event that the intercomparison is cancelled by EURADOS.

The fees have been calculated on a non-profit basis and any surplus money will be used to support the harmonisation of individual monitoring and other EURADOS activities.

For this intercomparison a total of 30 dosemeters are required per registered dosimetry system.

- 20 dosemeters for irradiation
- 10 transit / spare dosemeters

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EURADOS e.V. is registered in the Register of Associations (Amtsgericht München, registry number VR 207982).
Certified to be of non-profit character (Finanzamt München, notification from 2025-01-31).
Bank Account: Volksbank eG, Am Herzogtore 12, D-38300 Wolfenbüttel - IBAN: DE42 2709 2555 5866 1786 00 BIC: GENODEF1WFV

After the irradiations have been carried out, the coordinator will return the dosemeters to the participants for readout. Within one month from receiving the dosemeters the participants will submit the results in terms of $H_p(10)$ and/or $H_p(0.07)$ in accordance with the procedures specified on the IOP.

After the deadline for submitting results to the coordinator has passed, participants will receive details of their response values. Change of results after distribution of the irradiation data will only be possible in case of technical or administrative errors made by the irradiation laboratory or the coordinator.

After confirmation of the results, EURADOS will provide the participants with a "Certificate of Participation" including information on the irradiation qualities, doses, response values and overall uncertainties for all irradiations.

Intercomparison Report

The Organization Group will prepare a report summarizing the results of the intercomparison. The report will include the names of the IMS that have participated, the types of dosemeter and a photograph of dosemeters used but the results will be presented anonymously.

Intercomparison results will be treated by EURADOS as confidential data and IMS identity will not be disclosed. Data used in technical and scientific studies will be anonymous. The Organization Group has appropriate procedures agreed to ensure confidentiality and the participants results will be known only to a minimum number of persons within the Organization Group.

Provisional Schedule – dates to be confirmed

Announcement - call for participants	31 March 2026
Deadline for IMS registering and sending application forms	31 May 2026
Deadline for IMS sending dosemeters to Coordinator	31 July 2026
Irradiations	August – Sept 2026
Coordinator sending dosemeters for readout	16 October 2026
Deadline for IMS sending dosemeters results to Coordinator	16 November 2026
Final results available	24 December 2026
IMS receiving certificates of participation	**January 2027**

EURADOS Intercomparison 2026 Organization Group

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