



Global Physics Solutions
a LANDAUER® company



Imaging Physics

Global Physics Solutions – Imaging Physics Services

Experienced. Trusted. Full-Service. Nationwide.

And ready to support all your imaging physics needs.

Global Physics Solutions (GPS) is a full-service medical physics practice group capable of meeting all of the imaging physics needs of a facility. Our board-certified or board-eligible medical physicists are highly-qualified, experienced in a wide range of imaging physics activities across a wide range of imaging modalities, and available nationwide.

SERVICES*	Radiology & Fluoroscopy	Computed Tomography	Mammo-graphy	Nuclear Medicine/PET	Magnetic Resonance Imaging	Computed Radiography
Acceptance Testing	•	•	•	•	•	•
Annual/Periodic Testing	•	•	•	•	•	•
Accreditation Assistance (ACR/IAC)		•	•	•	•	
Shielding Design	•	•	•	•		
Consulting (Regulatory, QC, Technology, etc.)	•	•	•	•	•	•
Procedures and Manuals	•	•	•	•	•	
Fetal Dose Estimates	•	•	•	•		
Radiation Safety Training	•	•	•	•		
Compliance Audits (Nuc Med & PET)				•		
Radiation Safety Committee Meetings				•		
Radioactive Material License Support				•		
Personnel Dosimetry Analysis & ALARA Program	•	•	•	•		

* See reverse for more information about each of the Imaging Physics services GPS can offer.

GPS Imaging Services include:

- **Acceptance Testing.** Many states require new imaging equipment to be tested before its first use on patients to ensure the equipment meets manufacturer specifications and regulatory requirements. This is also recommended in the American College of Radiology (ACR) Standard of Practice and in the ACR accreditation programs. GPS has extensive experience providing acceptance testing for new imaging equipment.
- **Annual/Periodic Testing.** Regular performance evaluations are often required by regulatory agencies and ensure the imaging equipment is performing to manufacturer specification. GPS provides expert performance evaluations on all modalities of imaging systems to assure optimal image quality, dose, and regulatory compliance.
- **ACR/IAC Accreditation Assistance.** Our experienced and board-certified or board-eligible medical physicists have provided medical physics support for over 100 ACR accreditations.
- **Shielding Design.** GPS shielding design balances safety and regulatory compliance with cost and prudent design. We employ the latest NCRP 147 methodologies and provide accurate and concise reports. GPS can also provide Certificate of Need (CON) paperwork, work directly with the architectural or construction firm, and provide quick turnaround times for rush projects.
- **Consulting (Regulatory, QC, Technology).** Use GPS' medical physicists as a professional resource for questions about complex imaging technology, regulatory requirements or changing quality control tests.
- **Procedures and Manuals.** Concise, straightforward procedures and manuals, designed to meet the requirements of regulators and accreditation organizations, can be customized to meet the specific needs of your facility.
- **Fetal Dose Estimates.** GPS can estimate the fetal dose when a pregnant patient is inadvertently exposed to diagnostic medical radiation.
- **Radiation Safety Training.** GPS' radiation safety training courses meet regulatory requirements for both initial and ongoing safety education and can be tailored to fit the exact needs of the facility.
- **Compliance Audits.** These on-site assessments help nuclear medicine and PET departments ensure all regulatory commitments are being met.

About GPS

Global Physics Solutions (GPS), a subsidiary of LANDAUER®, is the leading provider of comprehensive medical physics services to hospital-based and freestanding cancer treatment and medical imaging facilities throughout the United States.

Radiation Safety Officer Support Literature

Keep Up To Date with Changing State Regulations

Our complimentary guide "10 Things You Should Know as the New Radiation Safety Officer" is filled with tips, best practices, and important state-specific regulations to guide you as the demands of your job evolve. State-specific versions are currently being created for NY, FL, IL, PA, CT, IN, MO and OH.



For more information call:
937-879-0190

Audited activities include: camera quality control, survey meter calibrations, and proper radioactive material handling.

- **Radiation Safety Committee Meetings.** GPS medical physicists are available to fill the medical physics consultant role at quarterly radiation safety committee meetings. We provide valuable insight to resolve issues that may arise and can help facilities avoid citations during inspection.
- **Radioactive Materials License Support.** GPS helps clients write clear, concise license applications and assists with license amendment requests and other regulatory matters to help facilities avoid violations.
- **Personnel Dosimetry Analysis and ALARA Program.** GPS can help draft personnel dosimetry policies and procedures, identify which employees require a dosimeter, review dosimetry reports, and investigate high doses and provide follow-up regulatory support, when needed.

Please contact GPS for more information.

GPS Office: 937-879-0190

www.globalphysics.net

About LANDAUER

As the global leader in radiation science and services, LANDAUER provides technical and analytical services and products to determine occupational, environmental and patient radiation exposure, serving over 80% of hospitals in the United States, and 1.6 million people worldwide.