



*PRESENTS*

**Ref IAF-AB/CO/ADM/2024-25/505**

**4 DAYS ADVANCE TRAINING PROGRAMME  
CLASSROOM & DISTANCE LEARNING COURSE  
BS 70000 MEDICAL PHYSICS AND CLINICAL ENGINEERING  
ACCREDITATION**

Dear Sir,

As is widely known, IAF-AB is conducting various technical courses inviting interested personnel/technocrats for enhancing & fine-tuning of the skill.

IAF-AB organizing **4 Days Advance Training Programme** Classroom & online Training course for BS 70000 Medical physics and clinical engineering accreditation series management system.

**a) ISO INTRODUCTION**

The standards published by ISO undergo changes periodically, to reflect the best-suited practices over the changing times. ISO series of standards

For a business unit to successfully set up a BS 70000 Medical physics and clinical engineering accreditation management systems or get maximum benefits from an established management system, auditors within the organization have to be trained to assess the system BS 70000 Medical physics and clinical engineering accreditation requirements. They must also be able to assess their suppliers required management system to support own Quality Initiative.

To increase professionalism, quality auditors also seek formal registration with the IAF-AB (UK & INDIA) one of the prerequisites for such registration requires the quality auditors and practitioners to successfully complete an IAF-AB (UK & INDIA) approved auditor training.

**b) OBJECTIVE OF THE COURSE:**

The objective of the course is to illustrate the importance of the **4 Days Advance Training Programme** role, skills and competency in bearing the ultimate responsibility for the effective performance of the audit team. A practical and intensive course for training quality professionals to External, Internal and manage third and second party audits of an BS 70000 Medical physics and clinical engineering accreditation Management System.

Course describes how to plan and perform an audit, report findings, conduct opening and closing meetings and establish follow-up action. You will understand by the end of the course how regular auditing by an audit team directed by a competent internal auditor is the foundation of an effective BS 70000 Medical physics and clinical engineering accreditation

Management System. On completion of the course, you will have the necessary skills and the experience to Internal Audit and manage your own audits. The learning process will include a series of tutorials, exercises, culminating in both practical and written examination. Delegates will be supplied with a bound set of comprehensive course notes.

c) **COURSE CONTENTS:**

- Introduction to BS 70000 Medical physics and clinical engineering accreditation Management System
- Vocabulary & understanding definitions
- Introduction to BS 70000 Medical physics and clinical engineering accreditation - Management System Requirements
- Need for Internal Quality Audits
- Auditing Techniques
- Conducting Internal Quality Audits
- Course Examination with minimum 50% passing marks.

## **Day 1: Introduction to BS 70000 and Its Framework**

### **Session 1: Overview of BS 70000**

- **Introduction to BS 70000**
  - Understanding the purpose and scope of the standard
  - Historical context and development of BS 70000
  - Importance of accreditation in medical physics and clinical engineering

### **Session 2: Framework of BS 70000**

- **Key Definitions and Terms**
  - Definitions relevant to medical physics and clinical engineering
  - Clarifying terminology used in BS 70000
- **Structure of the Standard**
  - Main clauses of BS 70000 and their relevance
  - Overview of requirements for organizations and personnel

### **Session 3: Governance and Management Systems**

- **Organizational Governance**
  - Role of governance in ensuring quality in medical physics and clinical engineering
  - Establishing a governance framework
- **Quality Management Systems (QMS)**
  - Developing a QMS in accordance with BS 70000
  - Integrating QMS with existing healthcare standards (e.g., ISO 9001)

### **Session 4: Risk Management in Medical Physics**

- **Understanding Risk Management**
  - Identifying and assessing risks in medical physics and clinical engineering
  - Implementing risk management processes in clinical settings

### **Group Activity:**

- Breakout session to discuss real-world applications of BS 70000 in participant organizations.

---

## **Day 2: Personnel Competence and Training**

### **Session 5: Personnel Competence and Training Requirements**

- **Competence of Personnel**
  - Defining required competencies for medical physicists and clinical engineers

- Methods for evaluating personnel qualifications and skills
- **Training and Continuous Professional Development**
  - Developing training programs to enhance competencies
  - Importance of continuing education and professional development

#### **Session 6: Developing Effective Teams**

- **Team Dynamics in Healthcare**
  - Understanding team roles in medical physics and clinical engineering
  - Strategies for fostering collaboration and effective communication
- **Leadership in Clinical Engineering**
  - Leadership skills for managing clinical engineering teams
  - Ethical considerations in medical physics practice

#### **Session 7: Implementation of Quality Standards**

- **Quality Control and Assurance**
  - Establishing quality control measures in medical physics services
  - Monitoring and evaluating service delivery and patient safety
- **Compliance with Regulatory Requirements**
  - Understanding relevant healthcare regulations and standards
  - Strategies for maintaining compliance in clinical settings

#### **Session 8: Technology and Innovation**

- **Emerging Technologies in Medical Physics**
  - Overview of new technologies and their impact on clinical engineering
  - Evaluating and integrating innovative solutions in healthcare

#### **Group Activity:**

- Participants design a competency framework for medical physics personnel in their organizations.

## **Day 3: Accreditation Processes and Assessment**

#### **Session 9: Accreditation Processes**

- **Understanding the Accreditation Cycle**
  - Steps involved in obtaining and maintaining accreditation under BS 70000
  - Preparing for accreditation assessments and audits
- **Role of Accreditation Bodies**
  - Overview of accreditation bodies and their functions
  - Interactions between organizations and accreditation bodies

#### **Session 10: Preparing for Accreditation Assessment**

- **Documentation and Evidence Requirements**
  - Key documents and evidence needed for accreditation
  - Developing an accreditation portfolio
- **Conducting Internal Audits**
  - Planning and executing internal audits for compliance
  - Addressing non-conformities and corrective actions

#### **Session 11: External Assessments and Feedback**

- **Navigating External Assessments**
  - Understanding the external assessment process and criteria
  - Preparing staff and systems for external evaluations
- **Using Feedback for Continuous Improvement**
  - Analyzing assessment findings and implementing improvements
  - Cultivating a culture of continuous quality improvement

#### **Session 12: Case Studies in Accreditation**

- **Analyzing Successful Accreditation Stories**

- Reviewing case studies of organizations that achieved BS 70000 accreditation
- Lessons learned and best practices from successful implementations

**Group Activity:**

- Participants simulate an internal audit process, identifying strengths and areas for improvement.

---

## Day 4: Advanced Topics and Future Trends

### Session 13: Advanced Topics in Medical Physics

- **Specialized Areas of Practice**
  - In-depth exploration of specialized areas such as radiation therapy, imaging, and safety
  - Current trends and challenges in medical physics practice
- **Research and Development in Medical Physics**
  - Importance of R&D in advancing clinical engineering practices
  - Strategies for fostering innovation within healthcare settings

### Session 14: Patient Safety and Ethics

- **Ensuring Patient Safety**
  - Frameworks for promoting patient safety in medical physics services
  - Strategies for minimizing risk and enhancing patient outcomes
- **Ethical Considerations in Medical Physics**
  - Navigating ethical dilemmas in clinical practice
  - Developing a code of ethics for medical physicists and clinical engineers

### Session 15: Future Trends in Medical Physics and Clinical Engineering

- **Impact of Digital Health and AI**
  - Exploring the role of digital health technologies and AI in medical physics
  - Preparing for the future of clinical engineering in a digital landscape
- **Global Perspectives on Accreditation**
  - Understanding how BS 70000 fits within the global accreditation landscape
  - Opportunities for international collaboration and benchmarking

### Session 16: Course Review and Certification

- **Recap of Key Learnings**
  - Summary of key concepts and skills acquired throughout the course
  - Open forum for participant reflections and discussions
- **Certification of Completion**
  - Issuing certificates for participants who complete the training

### Closing Session:

- **Networking and Future Opportunities**
  - Facilitating networking among participants for future collaboration
  - Providing resources for ongoing learning and development in medical physics and clinical engineering

---

### Learning Outcomes:

By the end of this training, participants will:

- Understand the framework and requirements of BS 70000 for medical physics and clinical engineering accreditation.
- Develop competencies and training programs for personnel in medical physics.
- Prepare effectively for accreditation processes, including documentation, internal audits, and external assessments.
- Analyze advanced topics, emerging technologies, and ethical considerations in the field.

- Cultivate a culture of continuous improvement and patient safety within their organizations.

**Delivery Method:**

- **Classroom Training:** Interactive lectures, group discussions, hands-on activities, and simulations.
- **Distance Learning:** Virtual presentations, case studies, downloadable resources, and assessments.

**Materials Provided:**

- Comprehensive course manual covering BS 70000 requirements.
- Templates for competency frameworks, audit checklists, and accreditation portfolios.
- Certificate of completion for participants.

This training program aims to equip participants with advanced knowledge and practical skills necessary for achieving BS 70000 accreditation and ensuring high standards in medical physics and clinical engineering practices.

For detail of contents refer our website at <https://iaf-ab.org/>

**d) WHO SHOULD ATTEND:**

- 1) All employees whose work responsibility directly affects BS 70000 Medical physics and clinical engineering accreditation.
- 2) Those individuals willing to take up external auditing as a future profession by becoming an independent auditor.
- 3) Those who intend to enroll themselves to IAF-AB (UK & INDIA) Registration Schemes of BS 70000 Medical physics and clinical engineering accreditation.
- 4) Management Representatives responsible for effective implementation and execution of BS 70000 Medical physics and clinical engineering accreditation.

**e) FACILITIES:**

All facility for delegates covering lecture hall, tea and lunch will be arranged by Client or if you are attending the course at IAF-AB office. IAF-AB institute will arrange the above facility.

**f) COURSE DETAILS:**

Detail program of every days training course will be sent / given on the first day to the delegates on registration.

**g) DURATION:**

**Four Days** Advance Training program for BS 70000 Medical physics and clinical engineering accreditation [Timings: 10.00 am to 6.00 pm]

**FEES:**

**h) 4 Days Advance Training program of BS 70000 is Rs 18000+18%GST**

Payment should be made by Cheque / DD in favour of **“IAF-AB, Mumbai”**



## Indian Overseas Bank

### BANKERS DETILS FOR EFT/ECS/RTGS/NEFT PAYMENT

Sr. No.	Name	Details
1.	Name of Beneficiary	IAF-AB For (UKJAS Accreditation Pvt Ltd)
2.	Name of Bank	Indian Overseas Bank
3.	Bank Branch	Station Road, Palwal Branch, haryana
4.	Bank Branch Code	1667
5.	Account No	166702000000340
6.	RTGS/NEFT / IFSC Code	IOBA 0001667
7.	SWIFT BIC	IOBAINBB089
8.	Account Type	CURRENT
9.	MICR code	110020106
10.	Email Id	<a href="mailto:info@iaf-ab.org">info@iaf-ab.org</a>
11.	PAN No.	AVZPS7816G
12.	GST No.	27AVZPS7816G1ZN

We hereby declare that the particulars given above are correct and complete.  
Thanking You

## Step for Admission:

1. Select the course, you want.
2. Choose Classroom/Distance Learning
3. Pay the fees by ECS/RTGS/NEFT to our Indian Overseas Bank Account
4. Send transaction ID/Deposit Slip along with duly filled Registration form
5. Get Confirmation of your admission by email. Admission is based on first cum first serve basis.
6. Currently Classroom training is only available at Mumbai and your office premises/factory, if there are more than 4 participants in the same city/factory . For outside student, Guest house facility is available of Rs 300/per day in Mumbai depends on seat availability; otherwise all ranges of hotels are available near to our institute.
7. Other cities student, who doesn't want to come Mumbai, can opt for Distance Learning Mode. Syllabus is the same. You will be given course material by email and we will recommend some books, which you can buy. Three month time will be allowed to study the course material and for any doubts and faculty interaction can be done one to one on skype is: IAF-AB and whatsapp video call on +91 8275879725 on Sunday between 5.00 to 8 pm. If you want training online we can share presentation on [www.googlemeet.com](http://www.googlemeet.com) with live presentation. You can attend from any cities around the world.

- i) VENUE:  
Client Office  
Or  
IAF-AB  
B-401, New Om Kaveri CHS Ltd, Nagindaspara,  
Next to shiv sena office,  
Nalasopara (E), Dist. Palghar – 401209, Maharashtra  
Email : [info@iaf-ab.org](mailto:info@iaf-ab.org)  
Tel: +91 0250-2341170/+91 9322728183/+91 8369083940

**j) NOMINATIONS:**

You may send in your nominations to the course co-coordinator, IAF-AB, on the Registration form at the following address along with the fees.

**Ranjeet Prasad**

+91 8369083940

**B-401, New Om Kaveri CHS Ltd, Nagindaspara,**

**Next to shiv sena office,**

**Nalasopara (E), Dist. Palghar – 401209, Mumbai, Maharashtra**

Email : [info@iaf-ab.org](mailto:info@iaf-ab.org)

Tel:+91 0250-2341170

Fees once paid will not be refunded, however it could be adjusted against the next course for the same financial year.

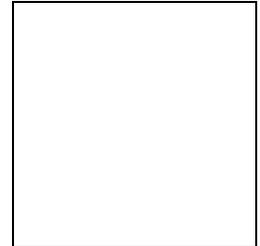
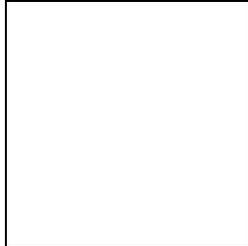
Please send your nomination of the delegated immediately as limited seats are available. Seats are filled on first cum first serve basis.

**k) TERMS & CONDITIONS:**

- I. IAF-AB general terms and conditions will be applicable for qualification of personnel.
- II. Minimum candidates per batch should be 04 Number and Maximum should be 25 per batch. **10% discount will be offered for** 04 Number and Maximum should be 25 per batch.
- III. Delegate Fees shall be send in advance through cheque / DD in favor of “**IAF-AB**” payable at Mumbai.
- IV. IAF-AB will charge Service tax as applicable.
- V. Travel & Subsistence by 3<sup>rd</sup> AC train or economy class airfare will be charged for faculties on actual to be borne by client in case of course will be conducted in-house at client premises.



## REGISTRATION FORM



### PERSONAL DATA

Name in Full : .....  
..... (In Capital Only)

Surname                      Name                      Father's/Spouse's Name

Name of the Firm & Address.....  
.....

Phone No: (With STD Code) : ..... Sex: .....

Mobile No: ..... E-mail:

Date of Birth: ..... Qualification: .....

Training Course: .....

Place: ..... (Signature)

Date : ..... Name: .....

PAYMENT MADE BY : Cheque No / Demand Draft No..... Date .....

Drawn on Bank : .....

Cheque / Demand Draft Should be drawn in favour of **IAF-AB** payable at Mumbai, Maharashtra, India.

Note : Fees once paid will not be refunded, however this will be carried forward for the next course during the same financial year

**IAF-AB**, B-401, New Om Kaveri CHS Ltd, Nagindaspara, Next to shiv sena office, Nalasopara (E), Dist. Palghar – 401209, Maharashtra

: +91 0250- 2341170 Fax : Extn. 206 Email: [info@iaf-ab.org](mailto:info@iaf-ab.org)

**UK Head Office:**

C/O Mr. Garry 54, Glen Garnock avenue, E-14 3BP isle of dogs, London UK. Contact number:- +44 8369083940 email: [info@iaf-ab.org](mailto:info@iaf-ab.org)