

A High-level Overview of Fundamental Concepts and Implementation Requirements

The Biometrics Institute has been developing a range of good practice guides including the Biometrics Institute *Good Practice Framework (2021)*, *the Three Laws of Biometrics (2021)*, its *Privacy Guidelines (updated 2021)* and has worked with the United Nations Counter-Terrorism Committee Executive Directorate (CTED) and UN OCT on the publication of the UN *Compendium of Recommended Practices for the Responsible Use & Sharing of Biometrics in Counter Terrorism*. This high-level training course is based on the content and learnings from these guides.

AGENDA

09.15am Introduction to the Presentation & Housekeeping Arrangements
Isabelle Moeller, Chief Executive, Biometrics Institute

09.30am Session 1: Introduction to Biometrics

Key Learning Topics:

- Historical Context – A global heritage
- Usage – Identity, Behaviours and Categorisation
- Standard Operating Model - Example
- Biometric Modalities – Types, Applications and Challenges
- Public & Private Systems
- Verification & Identification Protocols
- Measuring System Performance
- Use Case Examples
- Review of Session including questions to and from the delegates

Training Objectives:

At the end of the session delegates should have an awareness of:

1. The basic concept of biometric identification and how it can be applied to a variety of biometric operating systems
2. Biometric modalities and their use in diverse applications
3. Evaluating the performance of a biometric system

10.00am Session 2: Comparative Analysis of Biometric Modalities and Systems

Key Learning Topics:

- Operational Considerations
- Benefits
- Disadvantages
- Vulnerabilities & System Risk Management
- Use Case Examples
- Review of Session including questions to and from the delegates

Training Objectives:

At the end of the session delegates should have an awareness of:

1. The relative strengths and weaknesses of individual biometric modalities
2. The types of attack that biometric systems may be subject to and
3. the relevant mitigation and preventative measures that can be employed to protect biometric data and systems

10.30am **Session 3: Border Management and Wider Biometric Networks**

Key Learning Topics:

- Border Management & Cross-Border Data Sharing
- Law Enforcement Databases
- Counter-Terrorism Biometrics
- Military-sourced Biometrics
- National, Regional and Global Biometric Networks
- Use Case Examples
- Review of Session including questions to and from the delegates

Training Objectives:

At the end of the session delegates should have an awareness of:

1. How biometric systems can enhance border management functions
2. The benefits of sharing Border biometric data with other countries
3. Border biometrics as part of a larger national and international network of biometric systems

10.55am **Break**

11.25am **Session 4: Procuring and Developing a Biometric System**

Key Learning Topics:

- Business Case for Procurement
- Selecting a Biometric Modality
- Performance Framework
- System Testing
- Network Connectivity & Data Sharing Principles
- Review of Session including questions to and from the delegates

Training Objectives:

At the end of the session delegates should have an awareness of:

1. The main components of a simple business case for procuring a biometric system
2. How to select and test the appropriate biometric modality or modalities to meet operational needs
3. The performance framework required to operate a biometric system throughout its lifecycle
4. Connecting biometric systems and sharing data appropriately

11.50am **Session 5: Governance Framework**

Key Learning Topics:

- Managing Single System & Network Outputs
- National Legislation
- International Legislation including Human Rights Law, Refugee Law & Humanitarian Law
- National & International Privacy & Data Protection Laws
- Ethical Review
- Review of Session including questions to and from the delegates

Training Objectives:

At the end of the session delegates should have an awareness of:

1. The importance of managing biometric outputs in respect of accuracy, bias & human/machine accountability
2. Their obligations under national and international law
3. Privacy principles and their application in biometric systems
4. How to plan and review the operation of a biometric system from an ethical perspective

12.15pm **Session 6: Sources of Advice and Expertise**

Key Learning Topics:

Facilitators and Technical Assistance:

- OSCE
- United Nations
- ICAO
- IMO
- WCO

- ICPO (INTERPOL)
- ISO & IEC
- NIST
- Biometrics Institute:
 1. Expert Groups
 2. Understanding Biometrics (Considerations for Implementing a Biometric System) – Publication for Members
 3. United Nations Compendium of recommended practices for the responsible use and sharing of biometrics in counter-terrorism – Publication for Members
 4. Biometrics Institute Privacy Guidelines – Publication for Members

Training Objectives:

At the end of the session delegates should have an awareness of:

1. The range of international organisations that may be able to assist them in the procurement and development of biometric systems and associated networks
2. The resources available to them that facilitate the sharing of biometric data on a local, regional or global scale
3. Further reading material on the subject of biometrics

12.25pm Review of Entire Presentation & Brief Q&A Session

12.30pm Close of training course

WHO SHOULD ATTEND

The course is aimed at those providing leadership in their biometric projects with little or no knowledge of biometrics and associated applications especially in reference to border management:

including:

- Decision makers
- Policy makers
- Project managers

The event will be held in English.

PRESENTER/S:

Presenter: Roger Baldwin, Biometrics Institute Advisory Board

Roger is a former Deputy Chairman and Director of the Biometrics Institute and currently works as an Independent Consultant specialising in developing forensic science and biometric capabilities in fragile and developing countries. He was previously Head of Counter Terrorism Forensic Services with the Metropolitan Police, New Scotland Yard in London, UK. Roger was the ‘Penholder’ for the United Nations Security Council Counter-Terrorism Committee Executive Directorate (CTED) and Office for Counter Terrorism (OCT) Project - the ‘UN Compendium of Recommended Practices for the Responsible Use and Sharing of Biometrics in Counter Terrorism’ that was published in June 2018.

REGISTRATION FEES

Member: £500

Non Member: £1,000

Please register by emailing penny@biometricsinstitute.org.

Questions about the Biometrics Institute more generally

For further information, please email Raazia@biometricsinstitute.org

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