It’s Origins Asuncion, Paraguay April 2006

IFCC Executive Board

• Workshop led by the President

• The EB of IFCC will invite EMD to consider ways in which support for developing/emerging countries could be provided through the financial support and expertise of IFCC in order to improve accreditation and quality processes.
Template Approval

- January 2007
  Discussions at EMD to develop the strategy

- March 2007
  Signed off by IFCC EB
Inaugural Meting  Amsterdam, June 2007

• Template refinements
• Modular approach
• Advice on the introduction of quality control and external systems of quality assurance
• More advanced help in working towards accreditation for those countries that had a more mature understanding of quality

• Visiting Lecturer Programme
  • Significantly increased funding (40,000 Euros per annum)
• Distance Learning
• Existing initiatives
Advisory Group

- Chair EMD
- Chair C-AQ
- Chair C-CLM
- C-CLM member with expertise in accreditation
- C-AQ member with expertise in QA in developing countries
- CPD representative
- EB representative
- Representative of ISO/TC 212 and/or ISO 15189
- VLP Organiser

Strategic Aims

To develop a strategy to encourage and support developing countries (excluding sub-Saharan Africa) with improvements in

- Quality Control
- Quality Assurance and
- Accreditation
Improving the quality of a laboratory medicine service is an essential requirement for better patient care and clinical outcomes.

It is a daunting task that may take years to achieve.

It is convenient to consider the process as a series of steps on a quality ladder.

It is possible to join the quality ladder at any point.
The Quality Ladder: stepping up

- ISO 15189: Independently assessed to international/national standards
- Quality Management System: Ties together laboratory quality
- Accreditation Scheme: Identifies the route to accreditation
- International Liaison: Informs the international context
- Local Liaison: Establishes a local peer group
- External Quality Assurance: Improves the accuracy of results
- Internal Quality Control: Reduces method imprecision

The Quality Ladder:

- The Quality Ladder: stepping up
Finding the right strategy

The Quality Ladder

- ISO 15189
- Quality Management System
- Accreditation Scheme
- International Liaison
- Local Liaison
- External Quality Assurance
- Internal Quality Control

Establishing a quality system in line with ISO 15189

Implementing a national EQA scheme

Assuring analytical quality
Taking the first steps: working in collaboration

Analytical Quality

IFCC Workshop
30th March to 3rd April 2009

The role of accreditation in assuring analytical quality

Dr K Sikaris (Aus), Dr S Vasikaran (Aus)

- Quality Control tools
- Analytical quality control
- Post-analytical quality control
- External Quality Assurance
Taking the first steps: working in collaboration

Analytical Quality

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The role of accreditation in assuring analytical quality
Dr K Sikaris (Aus), Dr S Vasikaran (Aus)
• Quality Control tools
• Analytical quality control
• Post-analytical quality control
• External Quality Assurance

IQC and EQA

Supporting a series of initiatives to develop EQA in Vietnam
A VLP in QC and EQA
to address the expansion of EQA throughout the country
A personal secondment for Dr Huy to attend an EQA provider centre (Perth)
Endorsement of AACB Clinical Biochemistry Review Supplement
“Analytical Quality – A Technical Checklist”
Scaling the heights: a workstream for ISO 15189

EMD Workshop
Thursday, 2\textsuperscript{nd} October 2008
How to establish a quality system in line with ISO 15189

Chair: W. Huisman (The Netherlands)

Workshop Leaders: L. Berte (USA), D. Burnett (UK), E. Frank (India), H. Stekel (Austria)

• Standards and accreditation for medical laboratories
• Managing quality and competence
• Evaluation and continual improvement

with an audio/video recording supported by SIEMENS
and then...

- **Jakarta, Indonesia**
  - **February 2010**
  - Workshop on ISO 15189, traceability and uncertainty

- **Sfax, Tunisia**
  - **December 2010**
  - Quality management and accreditation

- **Ho Chi Minh City and Hanoi, Vietnam**
  - **September 2011**
  - Quality Assurance / Quality Control and EQA program preparation

- **Kathmandu, Nepal**
  - **November 2011**
  - Basic and advanced quality control in Laboratory Medicine

- **Montevideo, Uruguay**
  - **October 2011**
  - Accreditation and Quality Management

- **Moscow and St Petersburg, Russia**
  - **December 2013**
  - Clinical decision making

- **Sibiu, Romania**
  - **May 2014**
  - Laboratory errors, Clinical governance and ISO 15189

- **Guayaquil and Riobamba, Ecuador**
  - **November 2014 and March 2015**
  - IQC and EQA
Supporting DQCML: Visiting Lecturer Programme

- Supports the travel costs of expert speakers
- Preferred speakers should be named
- To contribute to conferences and workshops
- Well suited to DQCML quality ladder topics
- Hosts provide accommodation / registration
- Applications made through IFCC Member societies
- At least 4 months notice required
Supporting DQCML: Distance Learning

- Identifies:
  - Suitable topics for distance learning support
  - Existing distance learning in desired areas
  - New IFCC distance learning programmes

- Makes available at no charge to users:
  - Growing library of distance learning opportunities
    - Webinars and distance learning programmes
    - Include those in the area of DQCML topics

- Liaison with C-AQ and C-CLM on specific topic requirements

- In liaison with the VLP, advising C-AQ and C-CLM on existing IFCC material suitable for distance learning programmes

- Sourcing relevant distance learning material

- Advising on and assisting with the preparation of new distance learning material

- Cataloguing distance learning material identified as valuable for the Quality Ladder, in liaison with C-IeL.
Supporting DQCML: Analytical Quality

- **Provides:**
  - Education and training on analytical quality
  - Symposia at conferences
  - Workshops for small groups of participants
  - Information on other learning opportunities
  - Advice on support materials

**Links with Visiting Lecturer Programme**
Supporting DQCML: Laboratory Management

- Provides:
  - Education and training on analytical quality
  - Symposia at conferences
  - Workshops for small groups of participants
  - Information on other learning opportunities
  - Advice on support materials

- Links with Visiting Lecturer Programme
Supporting DQCML: Mentoring Lab Director

- Co-ordinated by IFCC Past President
- Identifies lab director in developing country
  - Preparing an application for lab accreditation
  - Seeking information, advice and experience
- Provides experienced mentor
  - Work on a one-to-one basis
  - May involve visit to lab director
  - May support exchange programme for lab director
DQCML: Overarching and bringing it all together

- Accreditation Individual Lab Application
- Quality Management System
- Accreditation Preparation
- International Liaison
- Local Liaison
- External Quality Assurance
- External Quality Assessment
- Internal Quality Control
- Rest of World ISO 15189
- Africa SLIPTA
- EB to Facilitate ILAC, WHO, Other
- EB to Facilitate WHO, ASLM, Other
- Lab Management
  - C-CLM + Region
- Visiting Lecturer Programme
- Distance Learning
- Analytical Quality
  - C-AQ + Nat Society
- ‘One to One’ Support
- Mentoring Lab Director
- Internal Quality Control
- External Quality Assurance
- Accreditation Preparation
- Rest of World ISO 15189
- Africa SLIPTA
- EB to Facilitate ILAC, WHO, Other
- EB to Facilitate WHO, ASLM, Other
- Lab Management
  - C-CLM + Region
- Visiting Lecturer Programme
- Distance Learning
- Analytical Quality
  - C-AQ + Nat Society
- ‘One to One’ Support
- Mentoring Lab Director
- Internal Quality Control
and for the future...

Romania
A future workshop has been offered.

Sri Lanka
Joint VLP/DQCML initiative to support delivery of an ISO 15189 accreditation workshop

Ukraine
To review options for planned programme delivery in 2016

Nepal
Awaiting a formal follow-up request

Malawi
Scoping visit undertaken by IFCC Past President in early 2016

Zambia
Supporting the introduction of an EQA programme being delivered by Renze Bais
For any further information, please contact:
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e-mail: michaelthomas507@aol.com or ifcc@ifcc.org