

Method validation: Principles and practice Seminar 19 January 2010

Conference Centre

The Heath Business & Technical Park, Runcorn, Cheshire, WA7 4QX

The Seminar

Method validation is recognised as an essential part of good measurement practice. It cannot be guaranteed that analytical data will be fit-for-purpose unless the performance of the test method has been studied and demonstrated to be adequate. Quality standards such as ISO/IEC 17025¹ and ISO 15189² place considerable emphasis on the validation of test methods. Laboratories often spend a substantial amount of time and effort on method validation but it is not always a straightforward activity. This seminar will provide a valuable introduction to the topic. The morning session, delivered by experienced trainers from LGC's Quality Assurance training courses, will discuss approaches to evaluating key method performance parameters. The afternoon session will include case studies illustrating how method validation can be carried out in practice.

The seminar is being organised by LGC and Eurachem-UK with support from the National Measurement System as part of the Chemical and Biological Metrology programme. Eurachem-UK is a sub-committee of the RSC Analytical Methods Committee and is the UK branch of Eurachem (www.eurachem.org), which provides a focus for analytical chemistry and quality related issues in Europe. To find out more about the Chemical and Biological Metrology programme visit www.nmschembio.org.uk.

Who should attend?

The seminar will be of value to analytical chemists, biochemists, laboratory managers and anyone with an interest in ensuring that analytical data are fit-for-purpose.

The venue

The seminar will take place at the modern conference centre located at the Heath Business and Technical Park, Runcorn. The conference centre is easily accessible by road, rail and air. Information on bed and breakfast accommodation is available on request.

¹ ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories

² ISO 15189 Medical laboratories – Particular requirements for quality and competence



Draft Programme

09:30	<i>Registration and Coffee</i>
09:50	Welcome & Introduction (Chair)
10:00	What is validation and why is it important? Vicki Barwick (LGC)
10:30	Evaluating method precision Steve Ellison (LGC)
11:05	<i>Coffee</i>
11:25	Evaluating method bias Vicki Barwick (LGC)
12:00	Evaluating capability of detection Steve Ellison (LGC)
12:35	<i>Lunch</i>
13:35	Case study 1: Method validation in the environmental sector: Meeting the MCERTS challenge Ian Barnabas (Northumbrian Water)
14:10	Case study 2: Measurement verification in the clinical laboratory Zahra Khatami (Queen's Hospital, Romford) and Robert Hill (King's Mill Hospital, Sutton-in-Ashfield)
14:45	<i>Tea</i>
15:05	Case study 3: Validation of ad-hoc methods Paul Drake (Campden BRI)
15:40	Method validation in chemical testing laboratories - a UKAS perspective Peter Rooney (UKAS)
16:15	Discussion
16:30	<i>Close</i>

Occasionally, due to circumstances beyond our control, it may be necessary to alter the content of seminar programmes. LGC therefore reserves the right to modify the programme.

Registration Form

Mail or fax this form to:

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Email: bernadette.francis@lgc.co.uk

Price: £65 plus VAT (Total price: £74.75*)
The fee includes copies of the presentations and all refreshments.

Delegate details (Block capitals please):

Name (as required on delegate badge):

Organisation:

Address:

Postcode:

Telephone:

Email:

Payment details:

Cheque *Please make payable to **LGC Limited*** BACS *Please contact Bernadette Francis*

Credit/debit card *(not Amex/Diners)*

Card type (e.g. Visa, Mastercard):

Card number:

Name on card:

Expiry date:

Issue no. (Switch/Maestro only):

Terms and conditions:

- All fees must be paid in advance of the seminar
- A full refund will be provided for cancellations received more than 30 working days before the seminar
- A refund of 50% will be provided for cancellations received between 15 and 30 working days before the seminar
- No refunds will be given for cancellations received less than 15 working days before the seminar
- Substitutions will be accepted at any time.

*Calculated using current VAT rate (October 2009) of 15%. VAT rate may increase on 1 January 2010.

By returning this form you agree to your personal information being processed by LGC Limited for the organisation and administration of this event.