



LABORATORY EXCELLENCE, SAFETY AND ACCREDITATION

Decision Rules and Statements of Conformity

2 day course

Classroom, online or in-house

Course overview

When a laboratory states that a result passes or fails a specification, it has made a decision about a measurement that carries uncertainty, and the rule governing that decision has to be agreed with the customer before the work starts. This course covers those rules. Delegates work through simple acceptance, guard banding and the shared and specific risk approaches, calculate the probability of a false accept and a false reject, and select a rule proportionate to the consequence of getting it wrong. The customer conversation is treated as part of the method, since a decision rule imposed after a result is a dispute waiting to happen. The course closes on wording a conformity statement that says exactly what was decided.

What you will learn

- Explain why a conformity statement is a decision under uncertainty
- Apply simple acceptance, guard banding and risk based decision rules
- Calculate the probability of a false accept and a false reject
- Select a rule proportionate to the consequence of a wrong decision
- Agree a decision rule with a customer before work begins
- Word a conformity statement so it says exactly what was decided
- Handle a result that falls inside the guard band

Who should attend

- Technical signatories and laboratory managers
- Quality managers in testing and calibration laboratories
- Analysts issuing conformity statements
- Customers and specifiers who receive them
- Auditors and assessors

Course outline

- 01 Conformity as a decision under uncertainty
- 02 Simple acceptance and its hidden risk
- 03 Guard banding
- 04 Shared risk and specific risk approaches
- 05 Calculating false accept and false reject probability
- 06 Choosing a rule against consequence
- 07 Agreeing the rule with the customer
- 08 Wording the statement, and the result inside the guard band

Upcoming dates

Dates	Venue	Format	Fee per delegate
28 to 29 September 2026	Online	Online	R6,500
5 to 6 November 2026	Kigali, Rwanda	Classroom	USD 795
16 to 17 November 2026	Gaborone, Botswana	Classroom	R11,950
3 to 4 March 2027	Dar es Salaam, Tanzania	Classroom	USD 795



Fees and how to register

This 2 day course is **R6,500** per delegate online, **R11,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 795** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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