

TR Calibration Conformance Decision Rule

Where the uncertainty of measurement makes compliance indeterminate, four 'Cases', as represented in Figure 1 below, describe the possible measurement outcomes in relation to the upper specification limit that may exist. Similar treatment is applied to the lower specification limit. With reference to these cases, the following Indeterminate Decision Rules (IDR) has been applied:

Case 1:

Where the specification limit of the instrument is not breached by the measurement result plus the expanded uncertainty, a statement of compliance can be reported.

Case 2:

Where the measurement result plus the expanded uncertainty overlaps the specification limit of the instrument, a statement of compliance can be reported.

Case 3:

Where the measurement result minus the expanded uncertainty overlaps the specification limit, a statement of noncompliance must be reported.

Case 4:

Where the specification limit is exceeded by the measurement result minus the expanded uncertainty, a statement of non-compliance must be reported.

