## Form sheet

Name: Decision rules conformity of test results Scope (Department/Section): Laboratory ENSI



## This statement of conformity applies in addition to the GTC or the customer order.

In clause 3.7 of DIN EN ISO/IEC 17025:2018, the term "decision rule" is defined as:

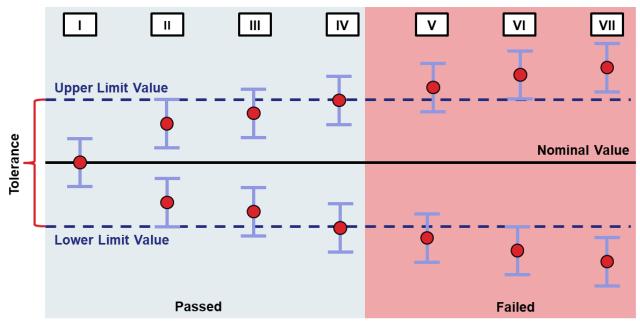
"Rule describtion how measurement uncertainty is taken into account when making statements of conformity to a specified requirement".

Clauses 7.8.3.1 and 7.8.6 of DIN EN ISO/IEC 17025:2018 define requirements for test reports and the application of decision rules when making statements about the conformity of test results.

## PHOENIX TESTLAB GmbH applies the following decision rules in the Test Laboratory Electrical Safety:

- 1. If a decision rule is defined in the standard or specification on which a commissioned test is based, this rule is deemed to have been aggreed with the customer.
- 2. If the customer requires an individual decision rule, he must state this separately and in writing at the time of the order request/order. He has to the decision case according to Figure 1.
- 3. If neither point 1 nor point 2 apply for the statement of conformity, the simple acceptance according to ILAC Guide 8 clause 4.2.1 is used. The requirement is fulfilled if the measured value is within or equal to the specified limits (see case IV in Figure 1).

Figure 1: Decision rules for Laboratory ENSI of PHOENIX TESTLAB GmbH



+ U
Measured Value
- U

 ${f U}$  is the expanded measurement uncertainty, which results from the standard measurement uncertainty with the coverage factor  ${f k}=2$ . With a normal distribution of the deviations from the measured value, it corresponds to a coverage probability of about 95 %.

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