

Form sheet

Name: Decision rules conformity of test results
Scope (Department/Section): Test Laboratory Electrical Safety

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:

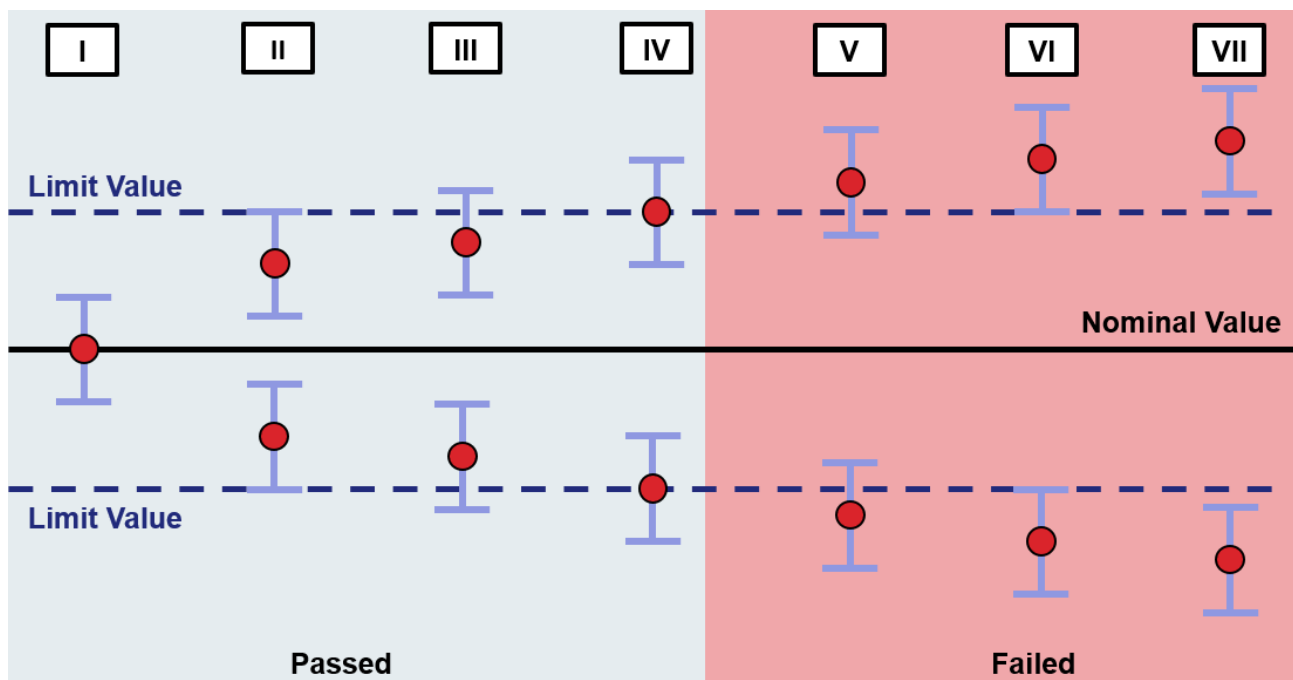
„Rule description how measurement uncertainty is taken into account when making statements of conformity to a specified requirement“.


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 agreed 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.
3. If neither point 1 nor point 2 apply, the simple acceptance according to ILAC Guide 8 clause 4.2.1 is used (see case IV in Fig. 1).

Fig. 1: Decision rules for Test Laboratory Electrical Safety of PHOENIX TESTLAB GmbH



 + U
● Measured Value
- U

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