



DECLARATION OF CONFORMITY

When declaring conformity to a specification or standard, TTS is required to use decision rules that take into account the level of risk to meet the requirements of ISO/ICE 17025 and that of accreditation bodies.

a. Reference documents :

ILAC G-08: Guidelines on Decision Rules and Statements of Conformity

b. Definitions:

Measurement Uncertainty : is a parameter associated with the result of a measurement, which characterizes the dispersion of values that could reasonably be attributed to the result of a measurement

Statement of Compliance : A statement or expression that clearly identifies compliance or non-compliance with a specification or standard (e.g., Conforms / Does Not Conform).

Decision Rule : A rule that clearly describes how measurement uncertainty is taken into account when declaring compliance with a requirement of a specification or standard.

c. Decision rules :

The decision rules as defined above describe how uncertainty is taken into account when a declaration of conformity is to be made to the test or calibration result. TTS will apply the decision rules mentioned below unless the customer requests another alternative which can be discussed in the contract :

- When a statement of compliance is required according to a specification or standard, and both indicate how measurement uncertainty is to be taken into account, then the test result and statement of compliance will be reported in accordance with the requirements of the chosen specification or standard.
- There is the case of, a guard band by reduced acceptance is assigned to the tolerance limit or tolerance interval. Thus, taking into account the expanded uncertainty value at the 95% confidence level, a result is considered non-compliant if the probability of false rejection is less than 2.5%.
- For other cases, a guard band per expanded acceptance is assigned to the tolerance limit or tolerance interval. Taking into account the expanded uncertainty value a confidence level of 95%, a result is considered to be compliant if the probability of false acceptance is less than 2.5%.

If there is no specification standard or customer requirement, then the decision rule by simple acceptance is chosen (shared risk 50%). Conformity/non-conformity assessment is based on whether the test result is within the specified limit or not). A decision rule is only required when a declaration of conformity is reported with a measured value. If the customer performs the test or calibration for his own information and does not request a declaration of conformity, then no decision rule is required and the measured value will be displayed in the test or calibration report. The value of the measurement uncertainty associated with the result obtained can be displayed upon request. The value of the uncertainty of measurement associated with the result obtained is systematically displayed on the calibration certificates. For the tests, the uncertainty value can be displayed following a request from the customer. It should be noted that in some cases, for certain test methods and due to their nature, the measurement uncertainties are not available and cannot be provided.



Below is a flow chart summarizing what was described:

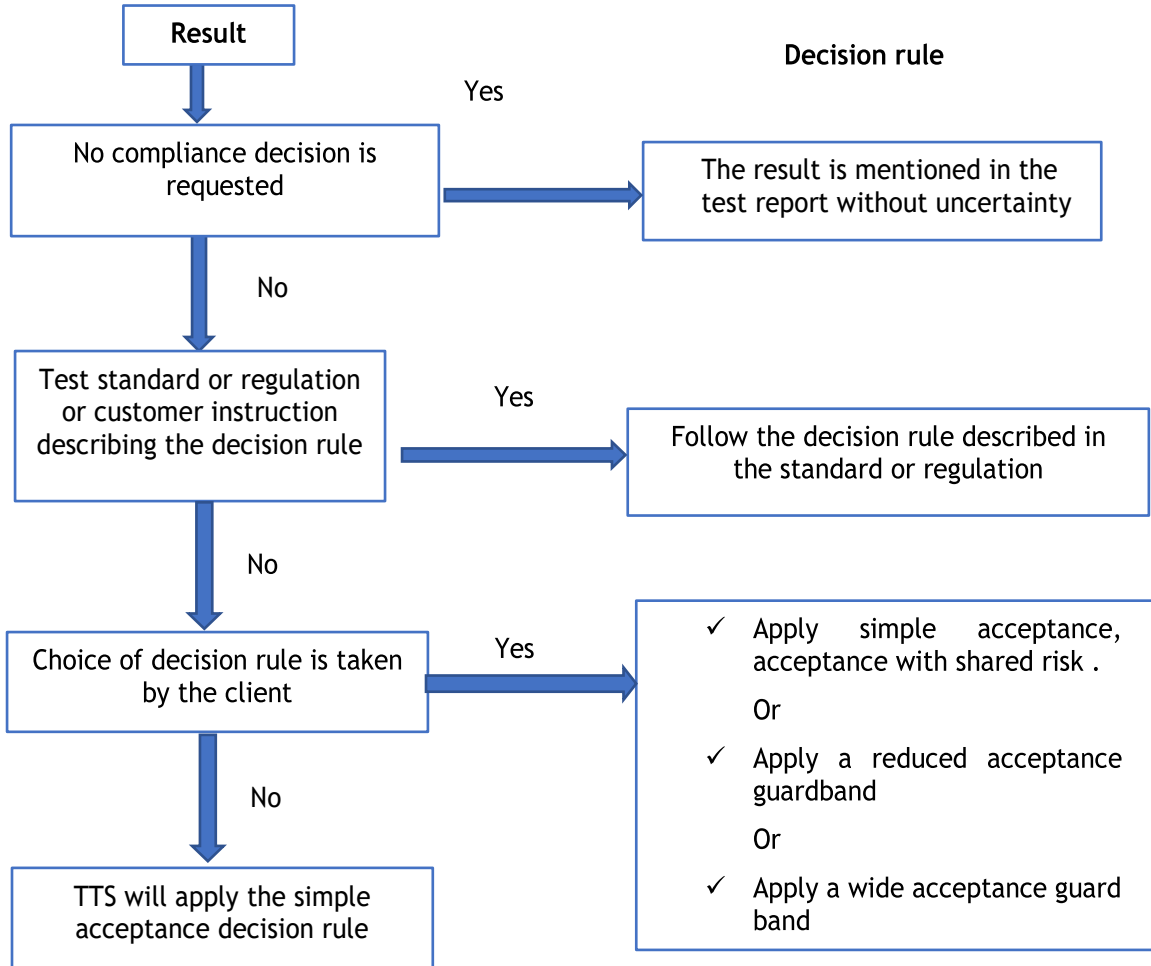


Figure: Compliance Decision Rule Selection Flowchart