

Testability in the Medical Research Environment

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Abstract

The correctness of the results obtained during the medical research activities represents a big challenge for all laboratories conducting such activities. The capability to carry out accurate measurements is pending on the testability characteristics of the measurement set-up in which the test equipment play a main role. Testability is a design characteristic which allows the status of a unit and the location of any faults within the unit to be confidently determined in a timely fashion.

The paper analyzes sets of criteria to provide right testability ability for the measurements in medical research environment and highlights the methodology to ensure an accurate assessment of the results. The intent of the paper is to present proposed criteria in order to assist the medical researchers to evaluate the results without errors due to testing equipment.

Keywords: *Medical research, Measurement, Testability, Traceability.*

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