

Levels and checkpoints

The levels for *Metrics* are typified as follows:

- **Controlled:** *With the defined metrics it is possible to estimate and monitor the test process.*
- **Efficient:** *The provided objectivity through metrics outweighs the effort of collecting and analyzing the measurements.*
- **Optimizing:** *Metrics meet the ever changing information need.*

Please find the checkpoints below.

Controlled

1. In the test process metrics are defined and used to estimate and control the test project.
2. The necessary input for the metrics is recorded uniformly and the defined metrics are systematically stored.
3. The input (data) for metrics is provably accurate. For test effort estimation, simple techniques are used such as ratios.

Efficient

1. The required effort to collect, analyze and value the necessary data is measured against the benefits.
2. Collecting metrics does not conflict with the progress and quality of the test process.
3. In the test process metrics are defined and used to measure the efficiency of the test process.
4. Conclusions coming from analyzed metrics are discussed with stakeholders and are acted upon.

Optimizing

1. The way metrics contribute to the information need is monitored.
2. Changes in information need lead to new or optimization of metrics.

(Source: "TPI Next, Business Driven Test Process Improvement" ISBN 9072194977)

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