

“Improving quality control processes through auditable and controllable add-on technology”

Background

With an increase demand for higher quality products and cost reduction, it is essential for any organization to deliver their products more rapidly, efficiently and cost effectively in order to remain competitive in a global market. At first glance, this may indicate a need for an organization to shift their focus to their quality control department or increase their testing budget by adding another resource(s) or even by re-evaluating their overall quality assurance methodology. However, even though quality control should be of paramount priority in any organization’s drive to excel at their initiatives, there is a solution that provides these at a comparable cost.

Challenges

Within most environments there are several consistent common factors which culminate in overlooked, sometimes expensive and timely lost opportunities:

- *Lack of personal accountability*
- *Lack of supporting auditable processes*
- *Use of multiple tools to achieve desired result*
- *Lack of auditable evidence*
- *Cost of Quality*

These elements have not been addressed because until today, there hasn’t been a tool in the market that could provide each interested party with the tools necessary to take advantage of the situation.

Our Response

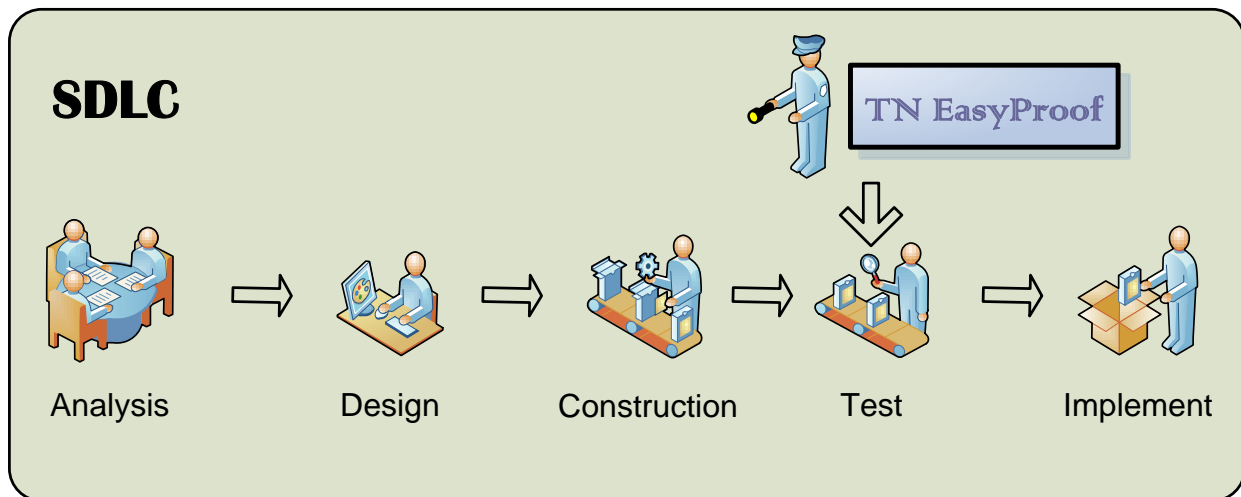
Based on the challenges described above, the benefits are presented in the manner of an integrated, customizable solution that supports not only an implemented quality control process but adds further structure and overall versatility to the organization as well. Some of the immediate wins may be described as follows:

- **Cost reduction** through innovative use of technology
- **Auto capture** of metadata associated with the snapshot
- **Integration** with other desktop tools
- Event **traceability** and **auditing**

TN EasyProof

From a typical Software Development Life Cycle (SDLC) TNEasyProof is introduced at the testing phase as illustrated in diagram 1.

Diagram 1



It is not intended to replace any of your organization's current methodologies or invested tools. However, it will provide your organization with additional auditable and efficient controllable processes. The by-product of utilizing such a tool may be summarized as follows:

1. Higher degree of **accountability**
2. **Higher** production **Quality**
3. **Integration** capability
4. **Environmentally** friendly

Cost Benefits

Considering the fact that most organizations require more than one tester along with a test manager or project manager, it is fair to indicate that quality control has a tag price. The amount depends on the rigor, framework and protocols implemented to support appropriate levels of quality control.

When considering the number of steps involved in a typical fashion test step, a tester may perform up to 7 different tasks:

Step	Typical	TN EasyProof
1	Hit Print Screen key	Move cursor to desired Step
2	Open Paint (if it is open, then hit new)	Press hotkey combination
3	Paste screenshot	
4	Crop screenshot	
5	Save screenshot or copy	
6	Open MS Word (locate step)	
7	Paste screenshot or insert picture	
Time Consumed	35 sec +	5 sec

Based on this, the following table illustrates the cost savings for 1 professional tester:

Items	Typical	TN EasyProof
test steps performed/day	150	150
# of seconds potentially spent performing corresponding steps described above	35 seconds spent in performing steps 1 thru 7 above	5 secs spent in performing steps 1 and 2 above
# of seconds potentially saved	0	30
# of seconds or minutes or hour(s) potentially saved in a day	0	4,500 seconds or 75 minutes or 1.25 hours
Average tester hourly rate	\$80.00	\$80.00
Potential cost savings/day	\$0	\$100
Potential monthly cost savings	\$0	\$2,000.00