

# DID YOU DO THE RIGHT THING RIGHT?



Client (me)



Engineer (you)



The Problem: Existence of...



**56% of defects**

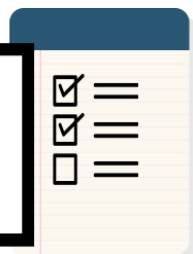
**80% of repairing costs**

**Due to a not proper requirements specification (and just for software systems)**

\* **See the Chaos Report:** <https://www.standishgroup.com/>

**The Objective: Understand and minimize the source of defects among requirements**

**VERIFICATION**



"...To assure the overall and individual quality of the requirements"

**"To do the right thing"**

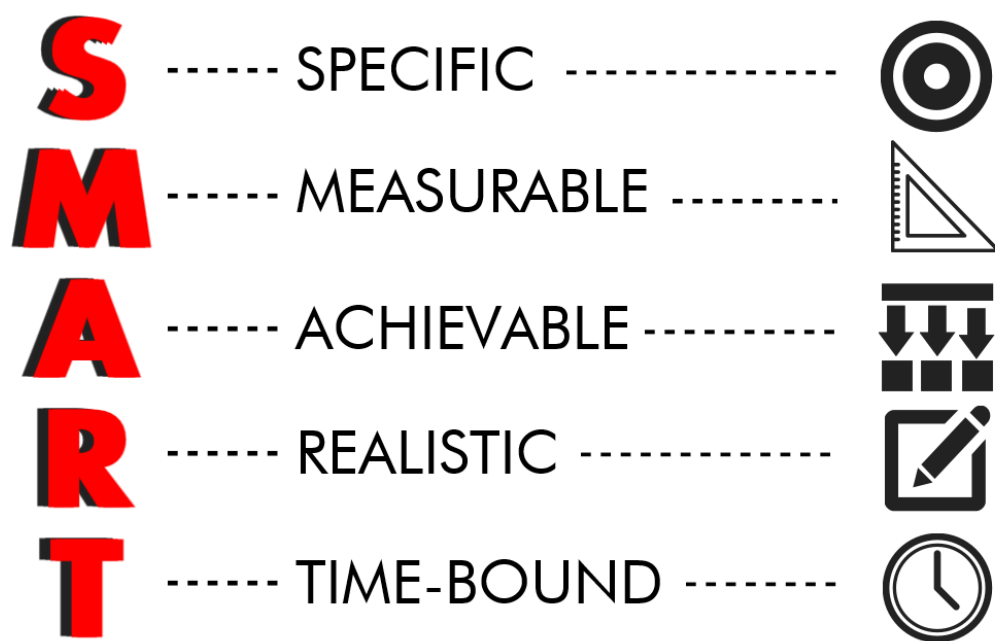


**VALIDATION**

"...To assure that the requirements reflect the expectations of their originators (owners or stakeholders)"

**"To do the thing right"**

Make your requirements...



How to verify requirements...



**Correctness**

Every single requirement is correct



**Completeness**

The set of requirements represents a complete definition of the product (ISO 24766)



**Consistency**

Not a single requirement conflicts with another one in the set

Are you capable to verify and validate your requirements?