

Non-functional requirements with ISO 25010

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ISO 25010

“Systems and software engineering
System and software quality models”

A standard for the quality dimensions of a

- System
- or
- Software product

First edition 2011-03-01

ISO 25010

A standard for the quality dimensions of a

- System
or
- Software product

May be used for
Requirements definition

And for
Testing

Replaces **ISO 9126**

2 main dimensions

Quality in use

(characteristics
relative to
human use of
the product)

Product quality

(characteristics
intrinsic to the
product)

Characteristics

Quality in use

- Effectiveness
- Efficiency
- Satisfaction
- Freedom from risk
- Context coverage

Product quality

- Functional suitability
- Performance efficiency
- Compatibility
- Usability
- Reliability
- Security
- Maintainability
- Portability

Quality in use

Most characteristics have sub-characteristics



Product quality (intrinsic)

All characteristics have sub-characteristics



Is every type of requirement included?

NO. Only (product's) non-functional requirements (aka quality attribute requirements)

What's missing:

- Functional reqs
- Compliance (e.g. with laws, standards) reqs
- Documentation, Support and Training reqs
- Project Timing reqs
- Project Budget reqs

Thank you for your
attention!

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