

What is a Requirement?

and how does it differ from a Design Idea?

5 Minute Lightning Talk + 5 Min. Discussion

- by Tom@Gilb.com
- Developed & Held 26 June 2012
- for GilbFest 13, London

Transition

2005 CE Book

About 2007

- A requirement is a stakeholder-desired, or needed, target or constraint.

- Stakeholder prioritized future state

Transition

2005 CE Book

About about 2010 to 2012

- A requirement is a stakeholder-desired, or needed, target or constraint.

- Stakeholder
valued
- future
state

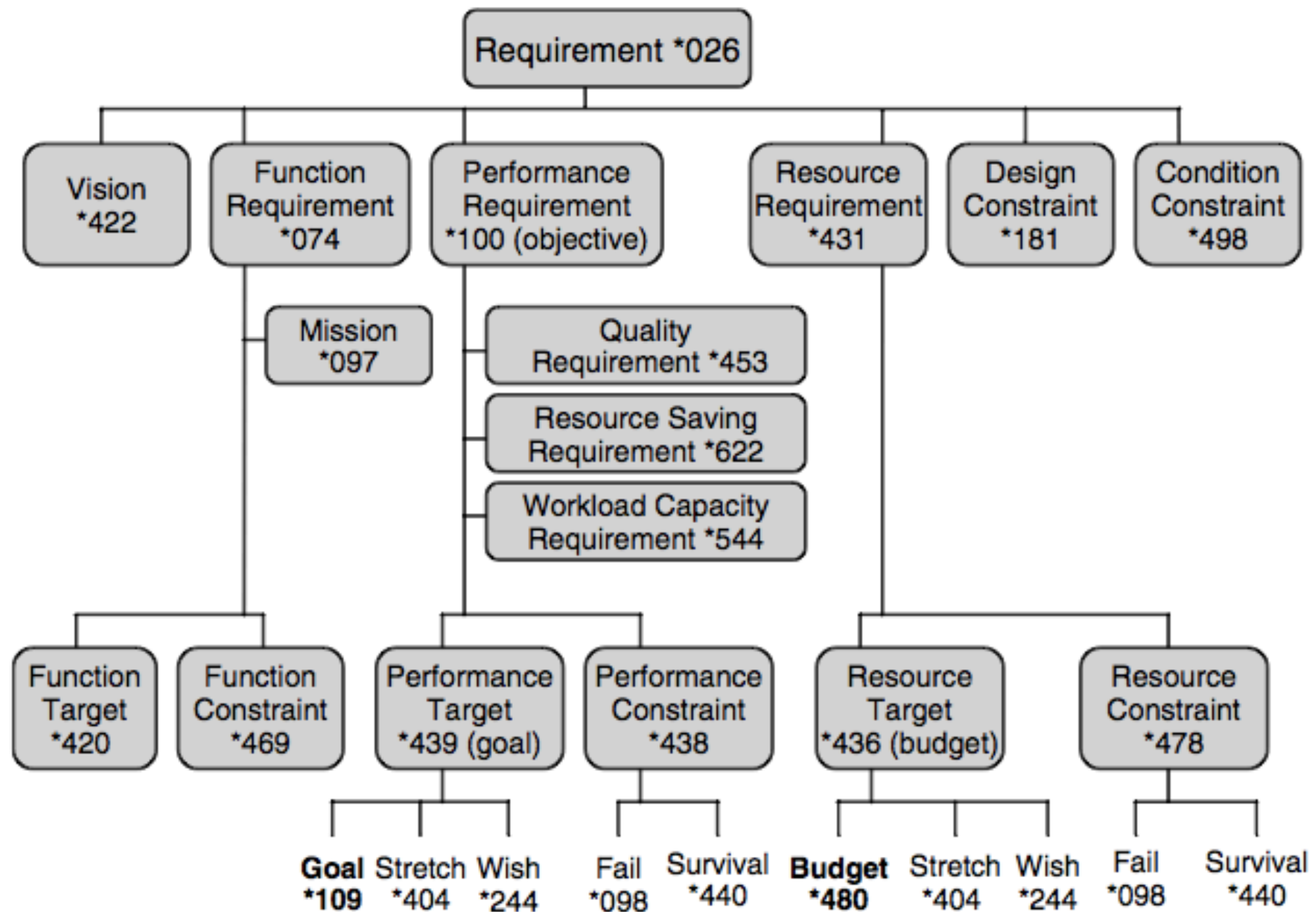


Figure G20
Requirement Concepts.

But, I kept on having problems

- Even if 1 stakeholder prioritized it
 - Others could shoot it down (law, powerplay)
- There could be other priority mechanisms later
 - Lack of time, money, people, technology



So, I thought about it ... (June 2012)

- Something to do with
 - changes through time,
 - before actual implementation,
 - or not,
 - of the requirement



And came up with

Transition

2005 CE Book

- A requirement is a stakeholder-desired, or needed, target or constraint.

June 2012

- Stakeholder valued
- future state
- *Under stated conditions*

This solves some problems

Forces us to identify requirement parameters

- When
- For who
- Who are stakeholders
- Where
- Under what conditions
 - Signed contract
 - Law still valid

Planguage

- Goal
- [Deadline = 1st release, Stakeholder = CEO, Market = Asia, Targets = Teenage Boys, If WTO Membership still valid]
- 60% \pm 20% ?? \leftarrow CTO

End

Some primary remarks on the definition:

- *Source: The Concept Glossary*
- http://www.gilb.com/tiki-download_file.php?fileId=386
- http://www.gilb.com/tiki-download_file.php?fileId=387

- *Requirements are used as an input*
- *to problem-solving*
 - *(the problem being*
 - *‘how to reach the requirements’) processes;*
 - *like design, architecture, strategy planning, more-detailed requirements, more technical requirements, and engineering.*

- *Requirements may be subject to
‘testing*

- *for existence’ in a system.*

- *Requirements exist*

- *without regard to*

- *the possible or actual means*

- *by which their future state is achieved.*

- But a realistic requirement may be determined
- as a result of knowing
 - the performance limits,
 - and costs,
 - of available designs.

- *Requirements can exist*
- *even if no known means exist to satisfy them.*

- *A requirement will not necessarily be invested in*
- *until its totality of complex priority information causes us to act on it.*

- *A requirement may exist,*
- *even when a formal requirement specification (*508) does not.*