

Supplier Systems Engineering Course; Development Flow

by *Gerrit Muller* USN-SE

e-mail: `gaudisite@gmail.com`

`www.gaudisite.nl`

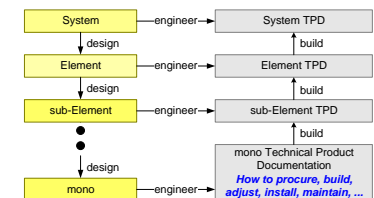
Abstract

The developet flow follows the V-model. A project definition in the form of an overview is the starting point.

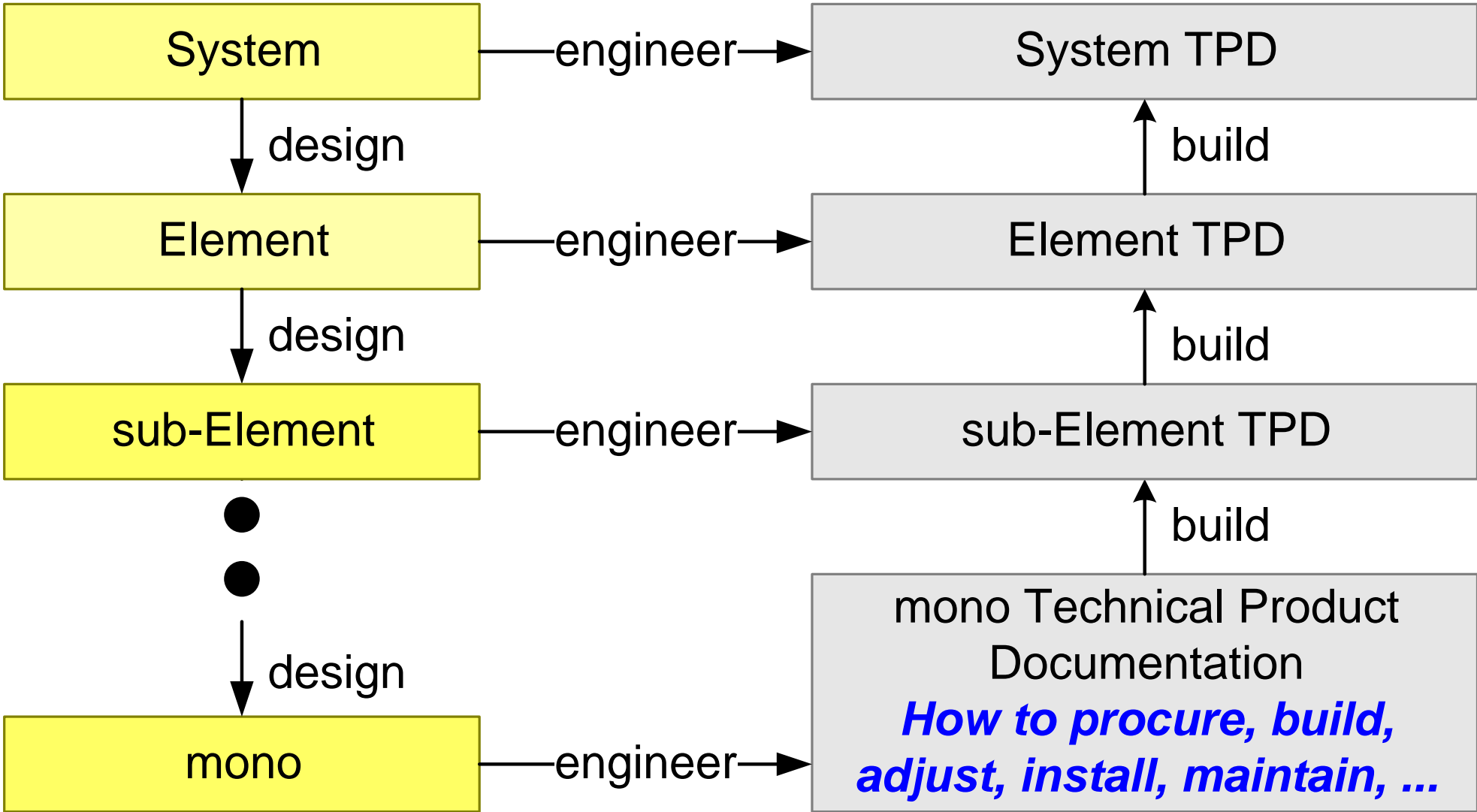
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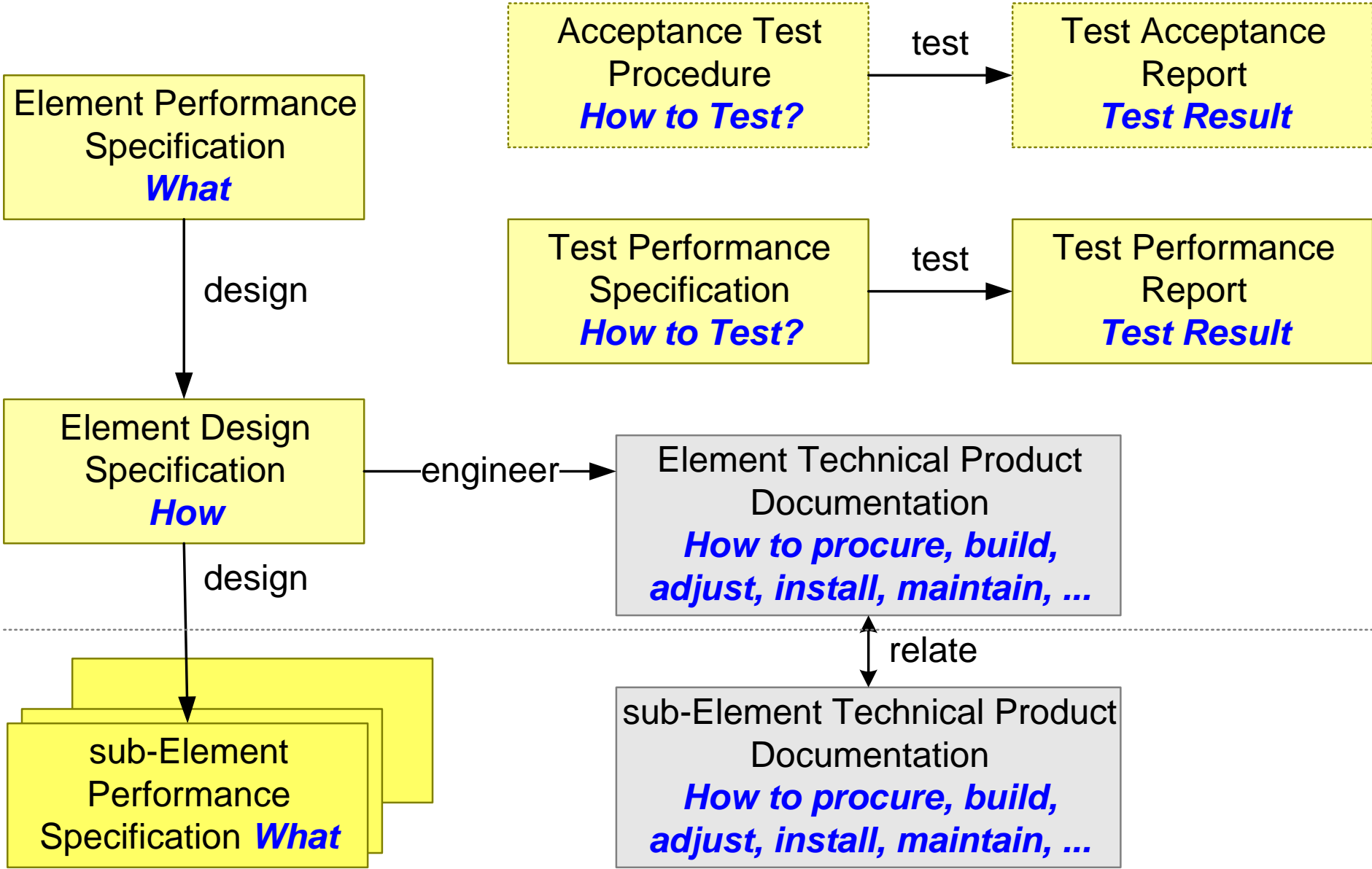
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System Breakdown Hierarchy

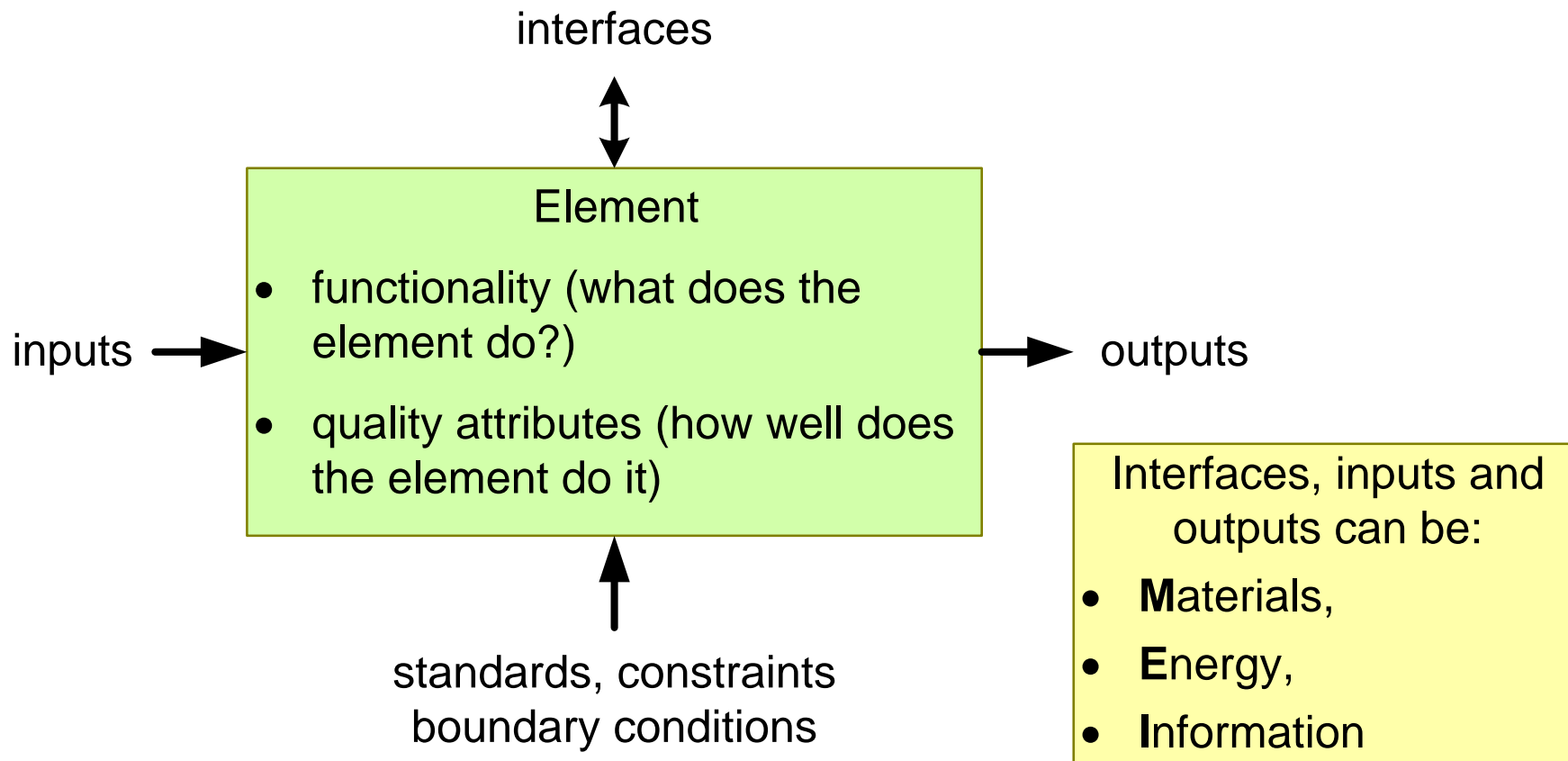


Specifications per Element



Performance Specification: What

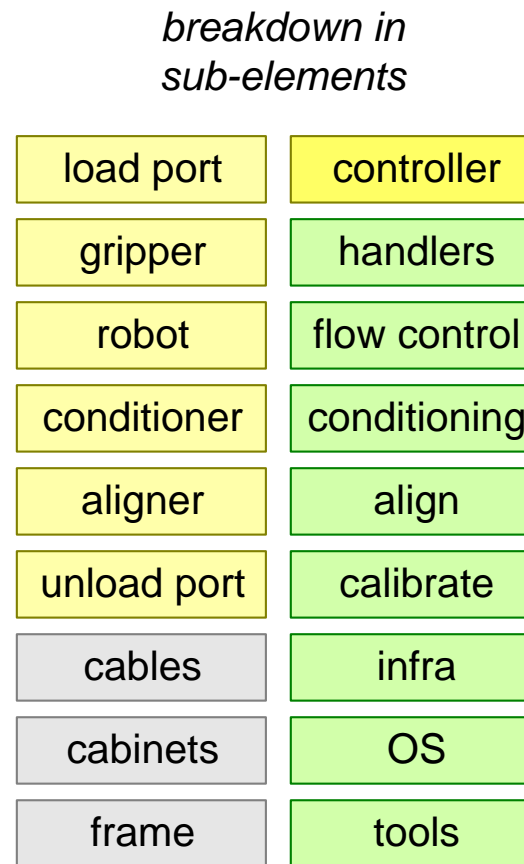
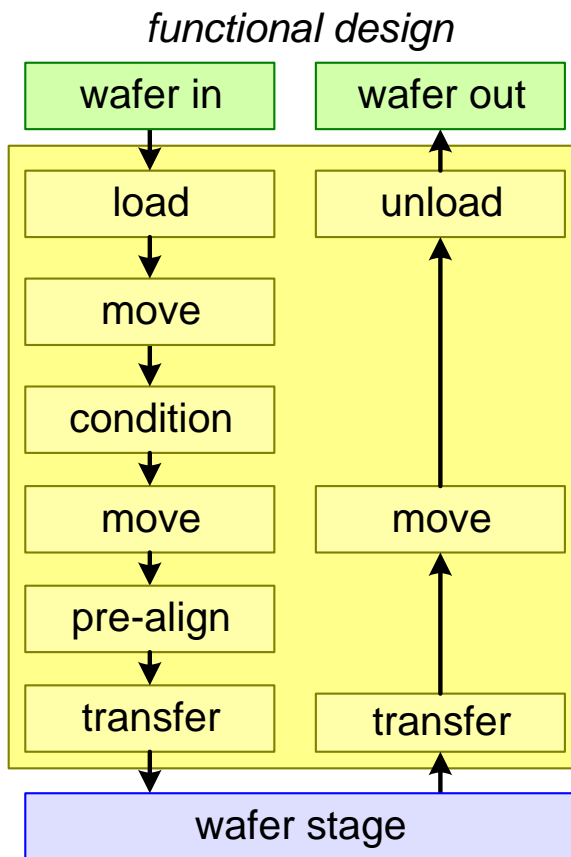
an Element Performance Specification (EPS) specifies an element as a black box: *What* the element should be able to do, not *How* it should work.
An EPS specifies the requirements of the element “from the outside”



Design Specification: How

an Element Design Specification (EDS) specifies the design of an element, e.g. the inside of the box: **How** the element will realize the specified functionality and quality attributes.

An EPS specifies the **functional design**, the **breakdown** into sub-elements, the internal **interfaces**, the **allocation** of functions to sub-elements, and the **allocation** of contributions to the **quality attributes** to functions and sub-elements.



allocations of quality attributes to functions and sub-elements

