

Positioning the System Architecture Process

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Abstract

This presentation positions the system architecture process in a wider business scope. This positioning is intended to help understanding the process itself and the role of the system architect (or team of system architects).

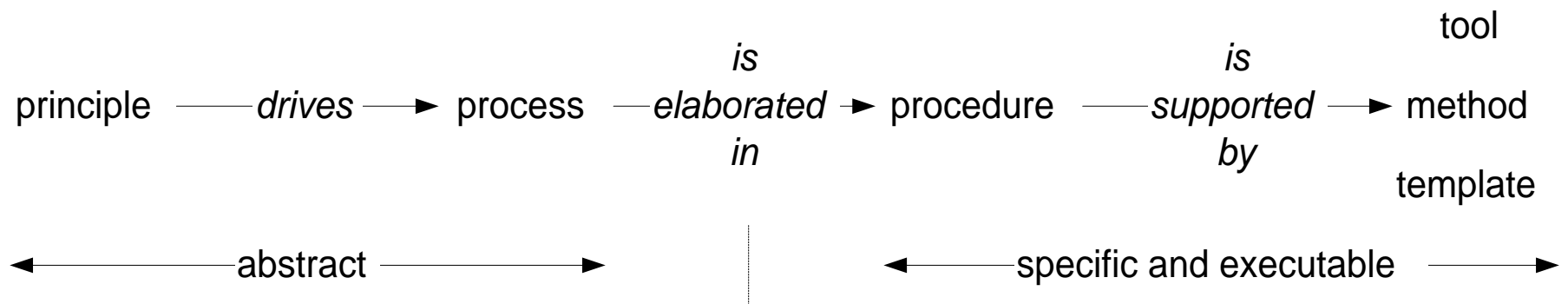
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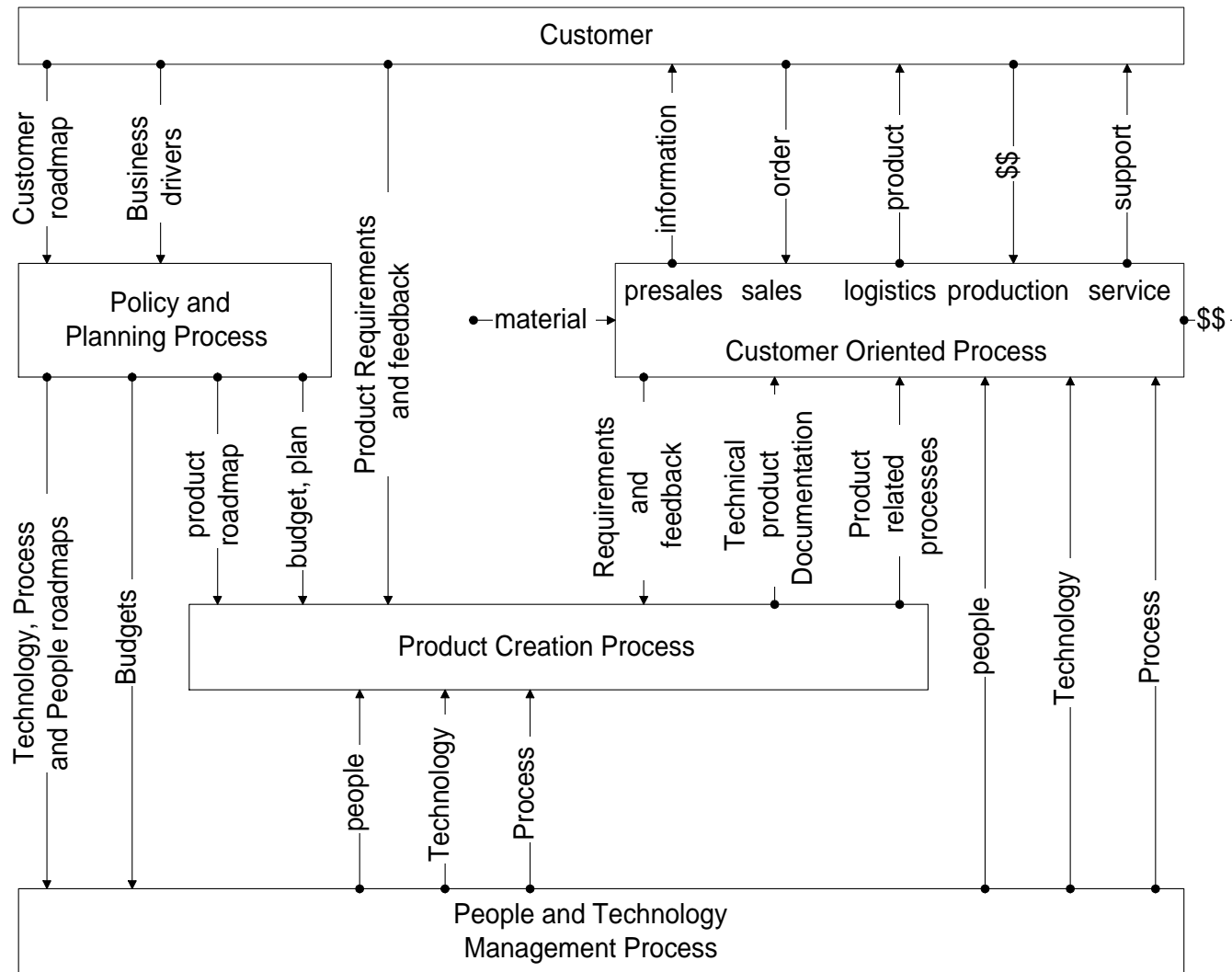
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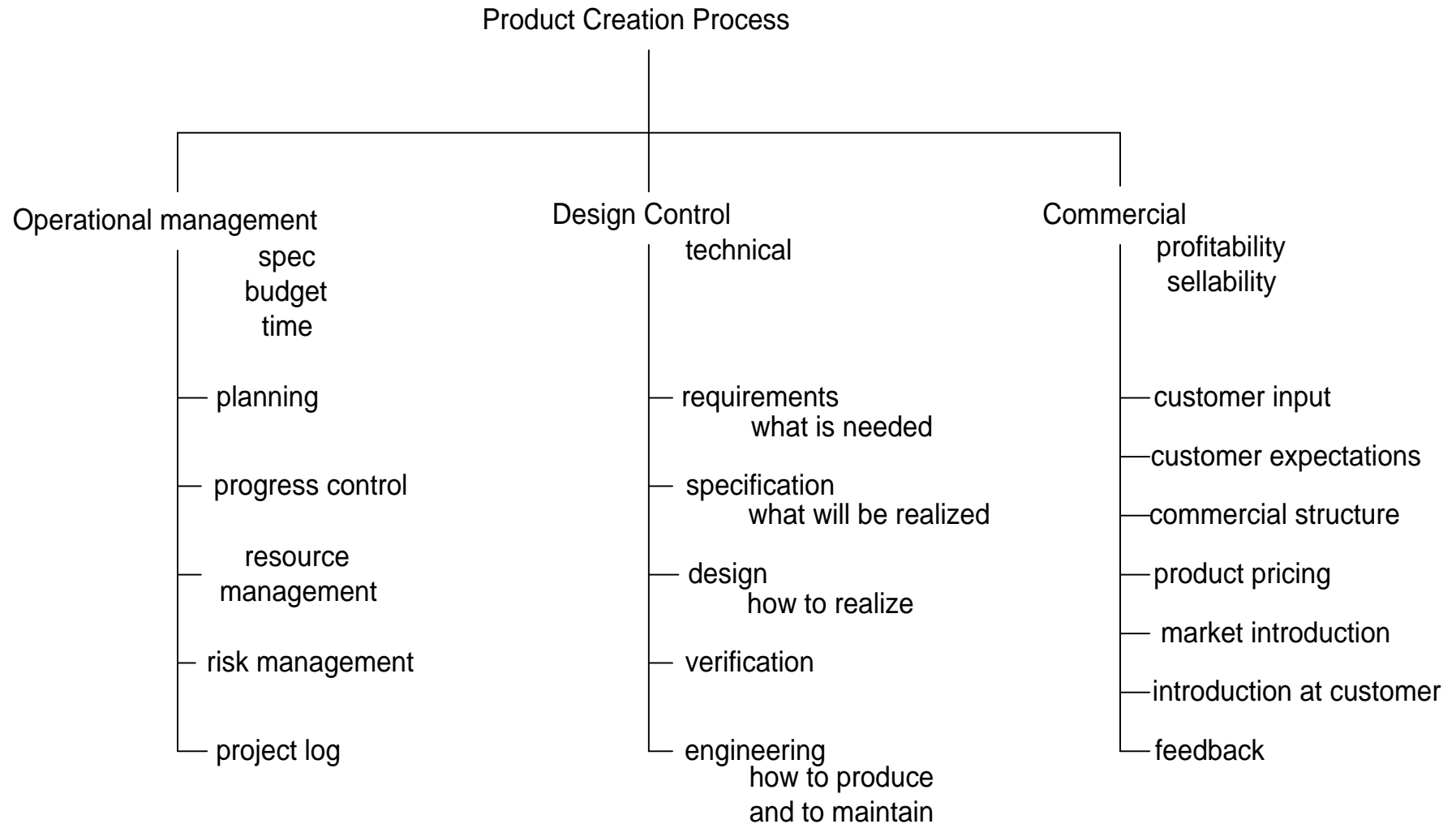
Process Abstraction Hierarchy



Simplified Decomposition of the Business Process



Decomposition of the Product Creation Process



Number of Instances per Process

Customer Oriented Process depends on geography, customer base and supply chain.

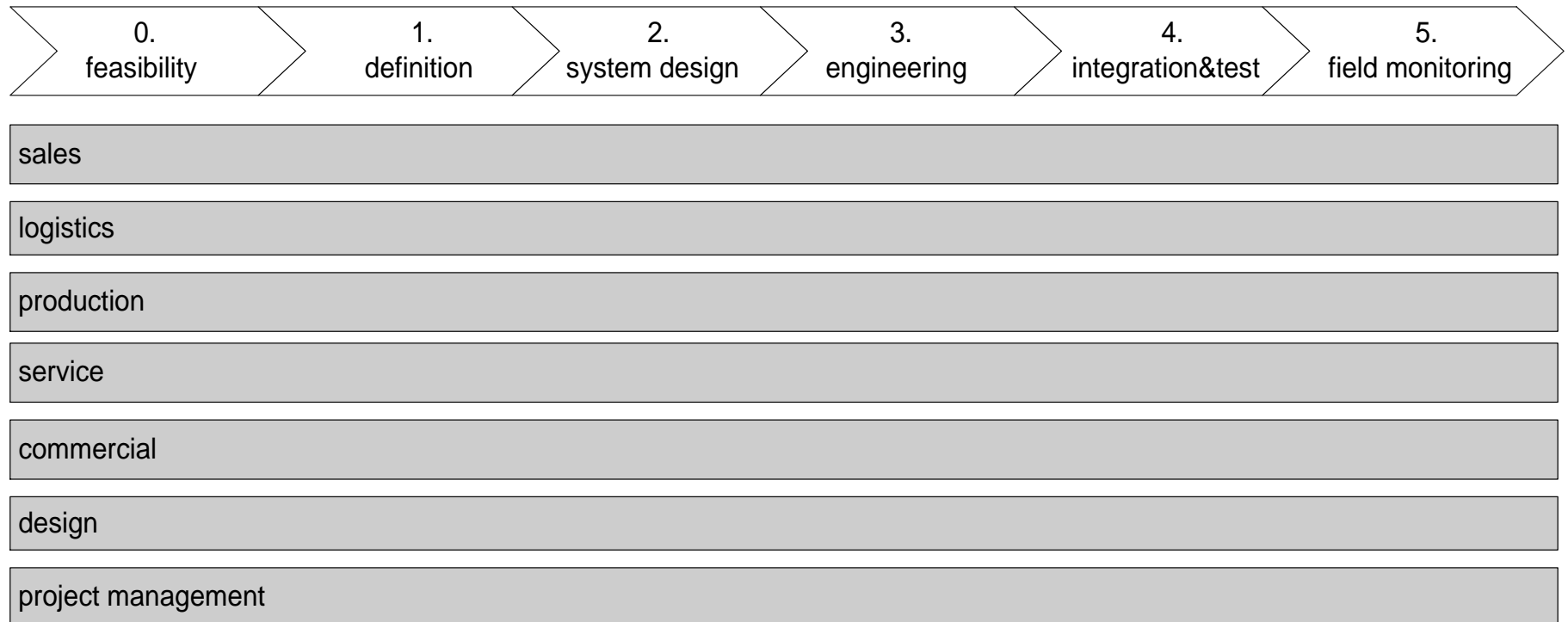
Product Creation Process one per entity to be developed, where such an entity can be a product family, a product or a subsystem.

People and Technology Management Process one per "competence", where a competence is a cohesive set of technologies and methods.

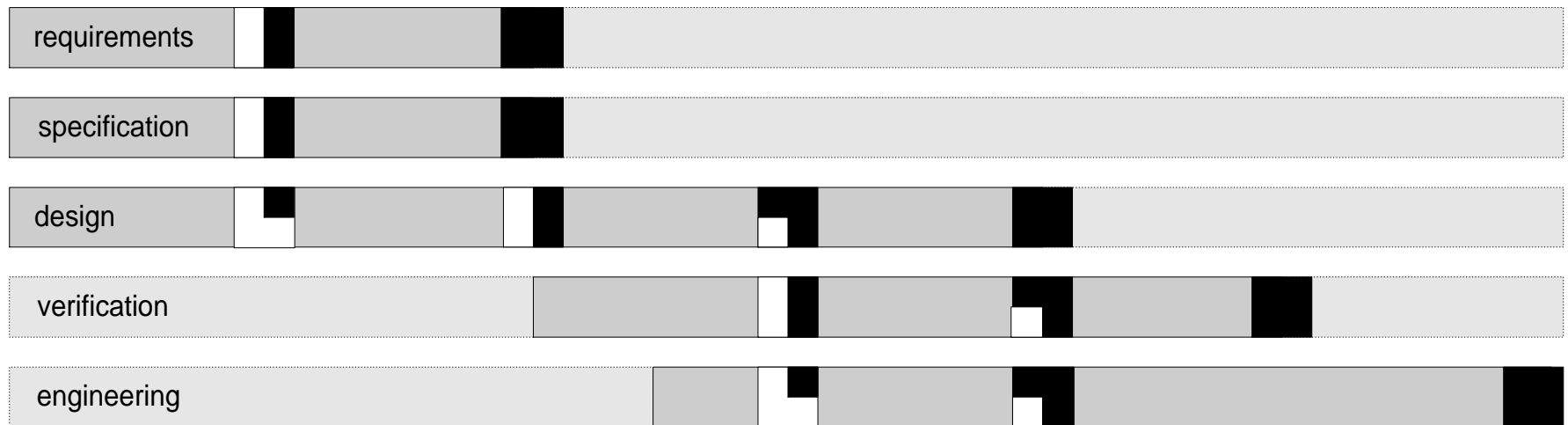
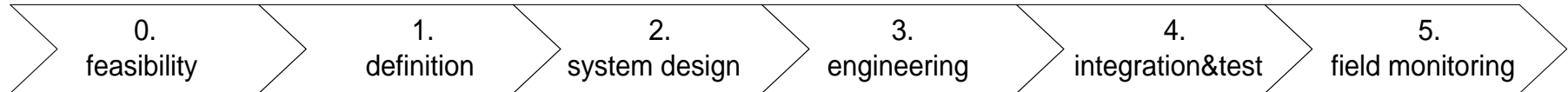
Policy and Planning Process one per business, this is the pro-active integrating process.



PCP Phases applicable to all Business Functions

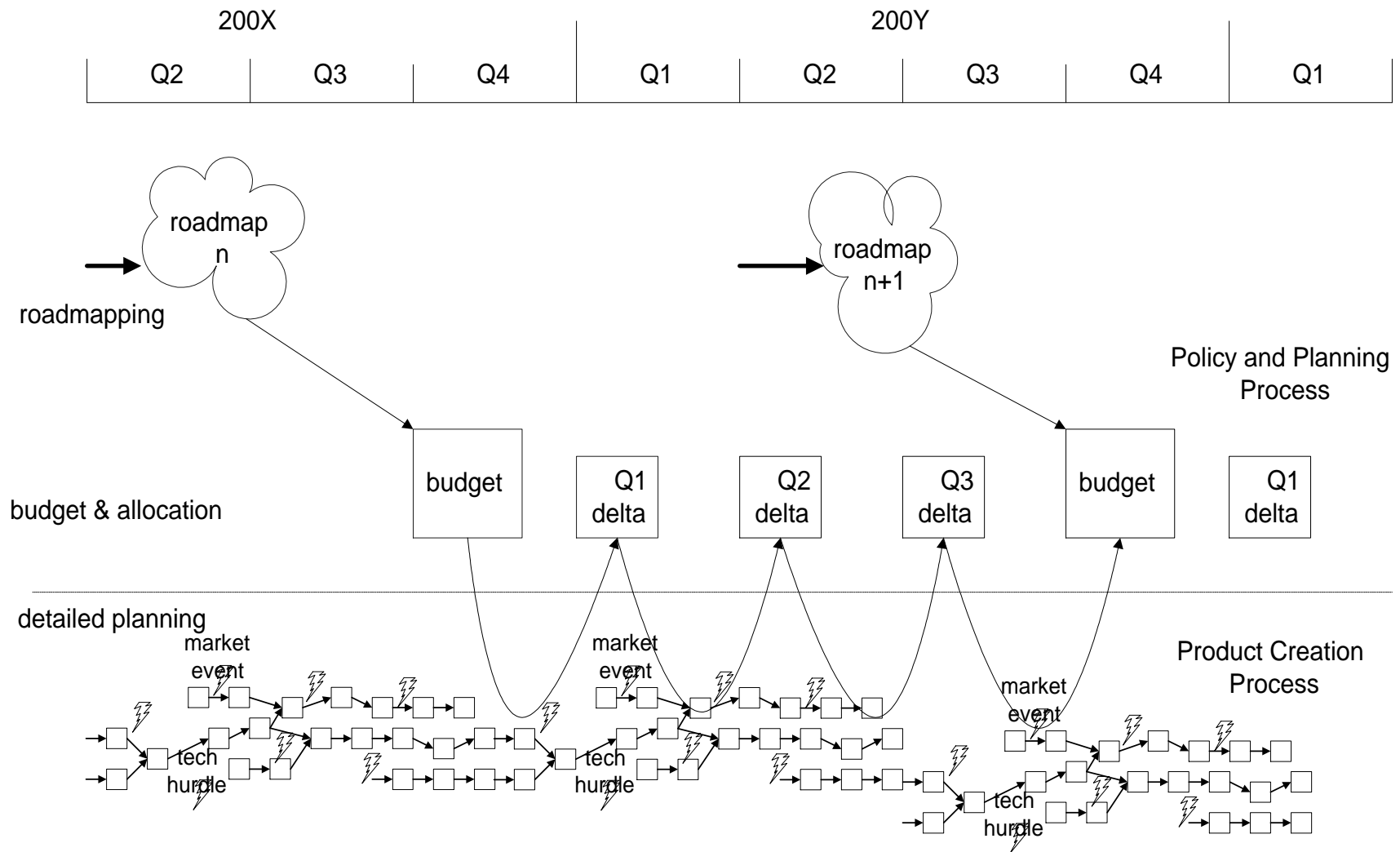


Phasing of the Product Creation Process



Legenda: core information in draft 50% most information available in concept information is stable enough to use heavier change control

From roadmap via budget to detailed plan



The contents of a roadmap, ordered in requirement direction

market what does the outside world require or expect

products which product portfolio will be made in response to the market

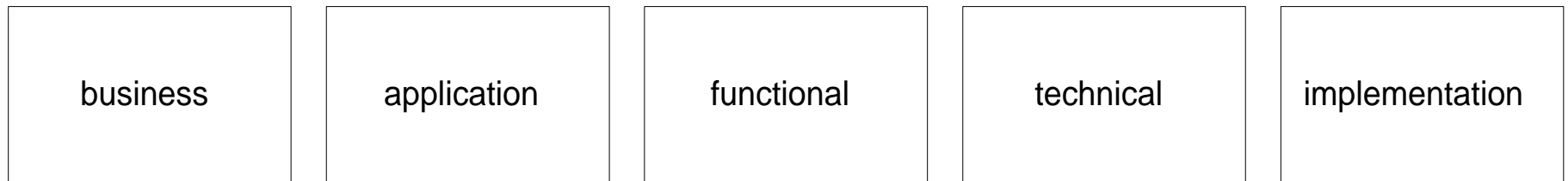
technology which technology is required to develop this product portfolio

process which processes are required to develop the products with the identified technology

people which people and skills are needed to implement the above.



Reference Architecture covers 5 Views



Map of the System Architecture Process and Surroundings

