



1918

TALLINNA
TEHNIKAÜLIKOOL

Äriprotsesside modelleerimine ja automatiseerimine

Loeng 12

Äriprotsesside modelleerimise metoodika ja
dokumneteerimine

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The Triptych Dogma

The dogma “says”:

- *Before software can be designed one must understand the requirements*
- *Before requirements can be prescribed one must understand the domain*

This dogma carries the two main parts of the book:

- *Domains (Part 8)*
- *Requirements (Part 9)*

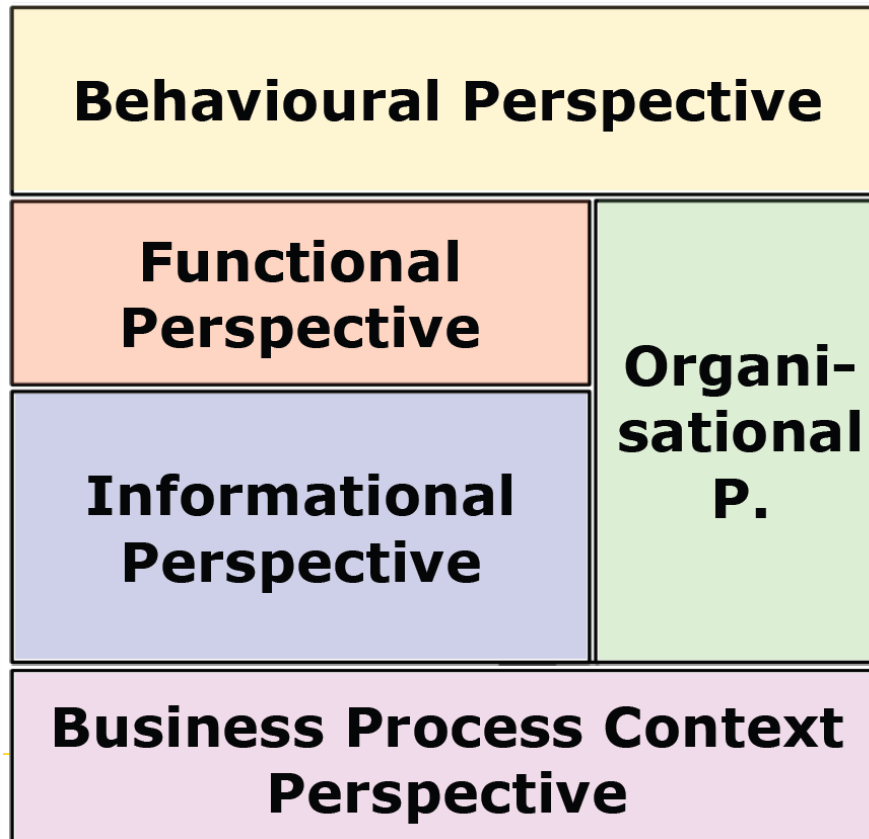
Definition 1 – Domain

- *By a domain, or, more precisely an application domain, we shall understand*
 - *(i) a suitably delineated area of a human activity, that is*
 - *(ii) a universe of discourse, something for which we have what we will call a domain-specific terminology*
 - *(iii) such that this domain has reasonably clear interfaces to other such domains*

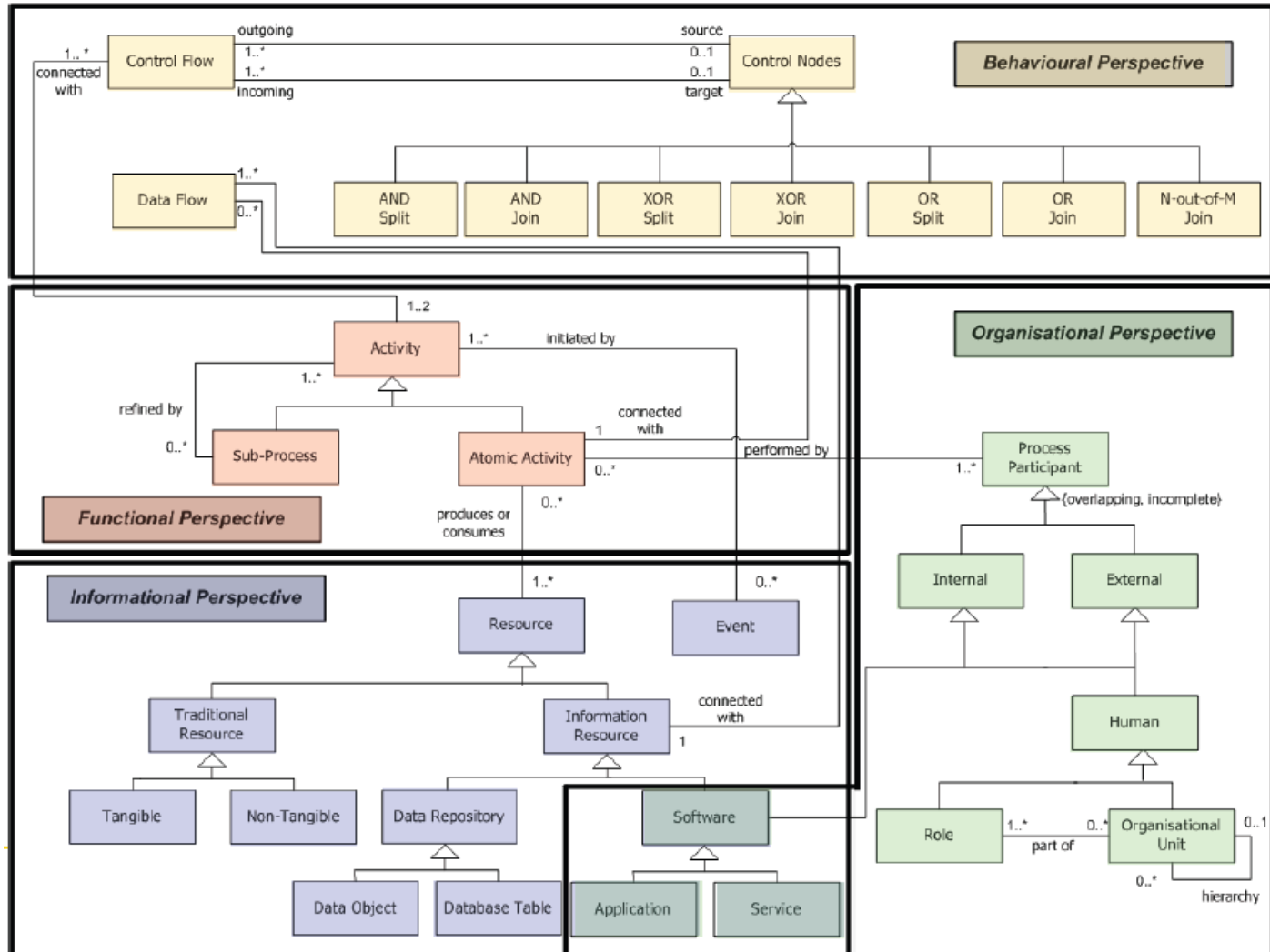
Definition 2 – Domain Description

- *By a domain description we shall understand*
 - *(i) a set of pairs of informal, for ex., English language, and formal, say mathematical, texts*
 - *(ii) which are commensurate, that is, in English text “reads” the formulas, and*
 - *(iii) which describe the simple entities, operations, events and behaviours of domain in a reasonably comprehensive manner*

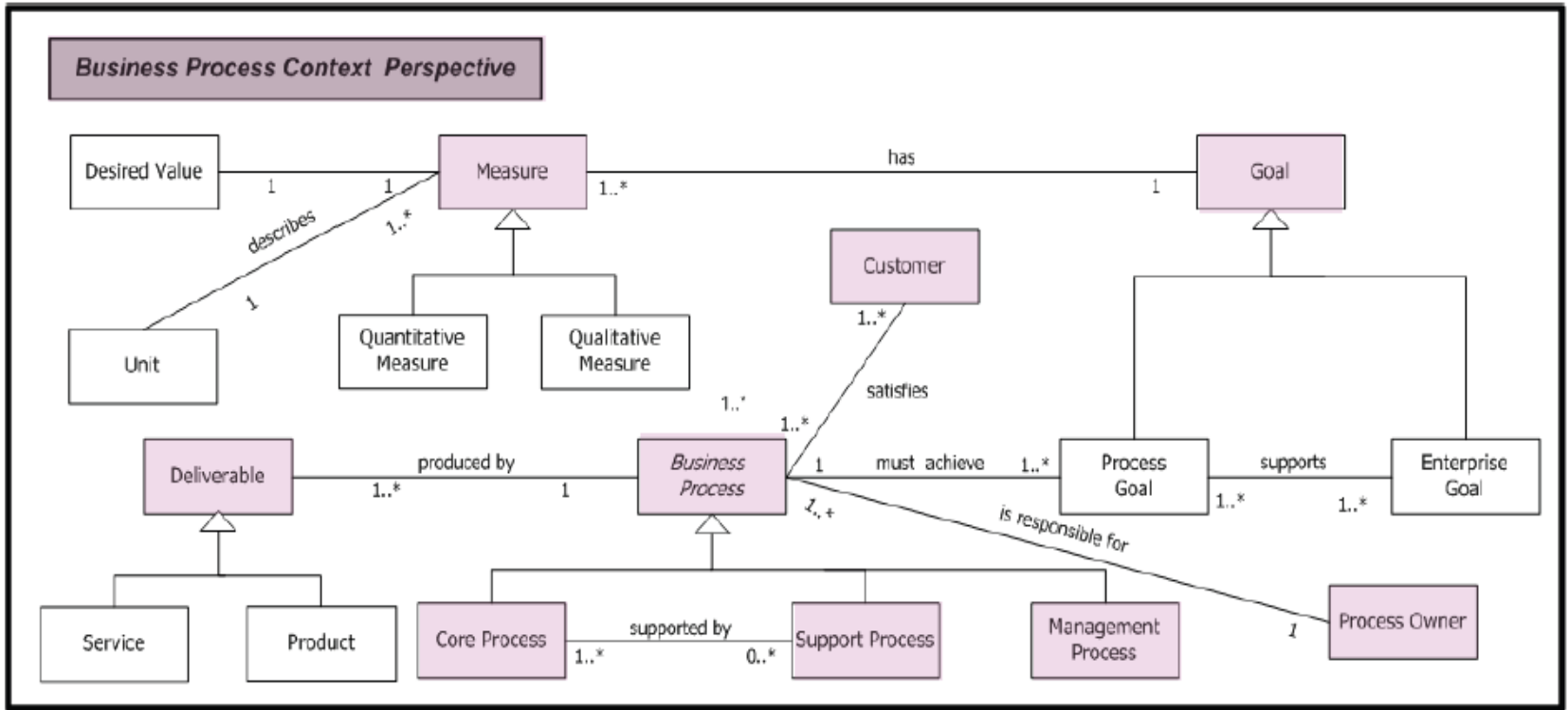
Äriprotsesside modelleerimise perspektiivid



Perspektiivide metamudel



Äriprotsessi konteksti perspektiiv



Protsessimudeli loomise sammud

- Domaini mudel
- Eesmärgid
- Käitumislik mudel – BIZAGI
- Andmemudel – ERKI
- Vahetatavad dokumendid – XCASE 2.0
- Mõõdikud

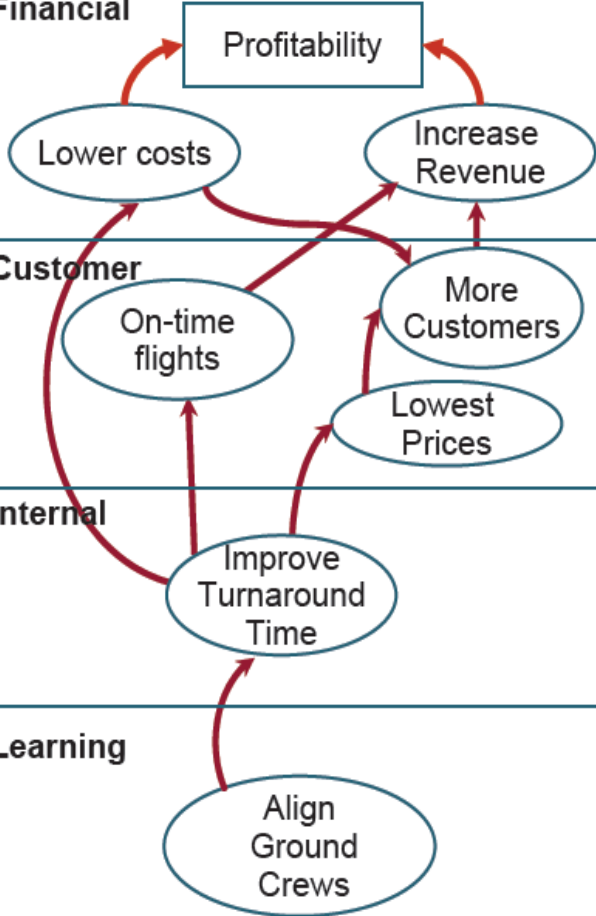
Dokumendi struktuur

- Äriline taust (kasutusloo vajadus)
- Osapooled, info liikumise suund ja järjekord
- Protsessi põhivoog koos sõnumite sisuga
- Veasituatsioonid ja veateated
- Mõõdikud

Dokumenteerimine

Bizagi business modeler

Xcase 2.0

Theme: Operating Efficiency	Objectives	Measures	Targets	Initiatives
<p>Financial</p> 	<ul style="list-style-type: none"> • Profitability • Fewer planes • Increased revenue 	<ul style="list-style-type: none"> • Market Value • Seat Revenue • Plane Lease Cost 	<ul style="list-style-type: none"> • 25% per year • 20% per year • 5% per year 	<ul style="list-style-type: none"> • Optimize routes • Standardize planes
<p>Customer</p>	<ul style="list-style-type: none"> • Flight is on -time • Lowest prices • More Customers 	<ul style="list-style-type: none"> • FAA On Time Arrival Rating • Customer Ranking • No. Customers 	<ul style="list-style-type: none"> • First in industry • 98% Satisfaction • % change 	<ul style="list-style-type: none"> • Quality management • Customer loyalty program
<p>Internal</p>	<ul style="list-style-type: none"> • Fast ground turnaround 	<ul style="list-style-type: none"> • On Ground Time • On-Time Departure 	<ul style="list-style-type: none"> • <25 Minutes • 93% 	<ul style="list-style-type: none"> • Cycle time optimization program
<p>Learning</p>	<ul style="list-style-type: none"> • Ground crew alignment 	<ul style="list-style-type: none"> • % Ground crew stockholders • % Ground crew trained 	<ul style="list-style-type: none"> • yr. 1 70% • yr. 4 90% • yr. 6 100% 	<ul style="list-style-type: none"> • Stock ownership plan • Ground crew training



Küsimused?

