Avancier Methods (AM)
DOCUMENT

Architecture Meta Models

EA meta models (various)

- Comparing and contrasting many meta models, from many sources

- THE FOLLOWING SLIDES ARE ONLY A SHORT EXTRACT FROM A 60 SLIDE PRESENTATION

The 3 x 5 presentation framework

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- Helps us to compare meta models

	Passive Structure	Required Behaviour	Logical Active Structure	Physical Active Structure	Other stuff
	Artifacts	Services and processes	Logical components	Physical components	e.g. Locations. Projects
Business					
Information Systems					
Technology					

- Created by trial and error
- Merely a presentation framework for placing entities on a page
  - *A visual alignment device*
  - Do not read it as yet another architecture framework
  - Do not read it (for example) to say Goals and Locations are closely related concepts
- More art than science

SAM - “essential” EA meta model – drawn to fit the framework

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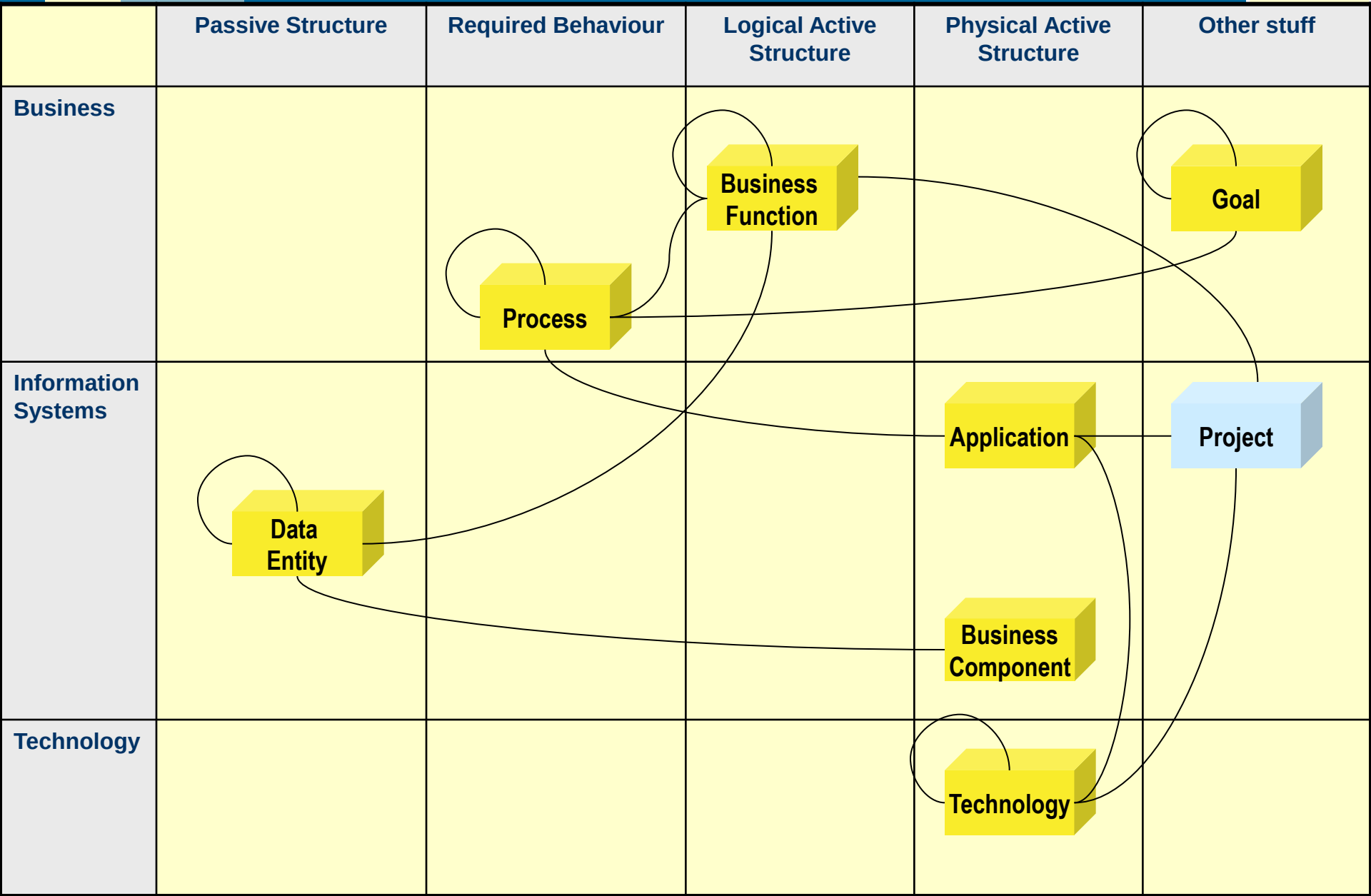

PEAF structural meta model – drawn to fit the SAM

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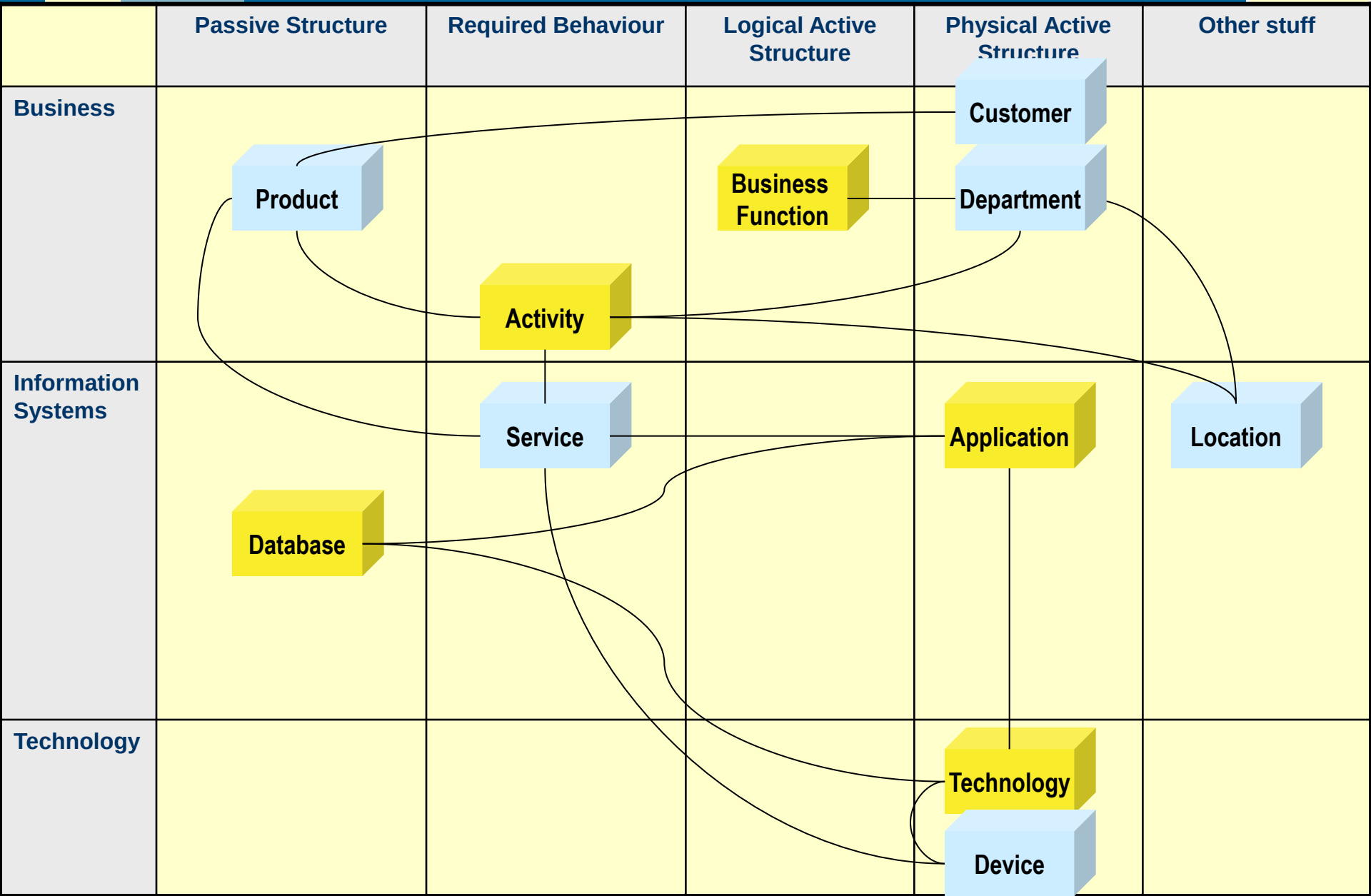

PEAF structural meta model – drawn to fit TOGAF

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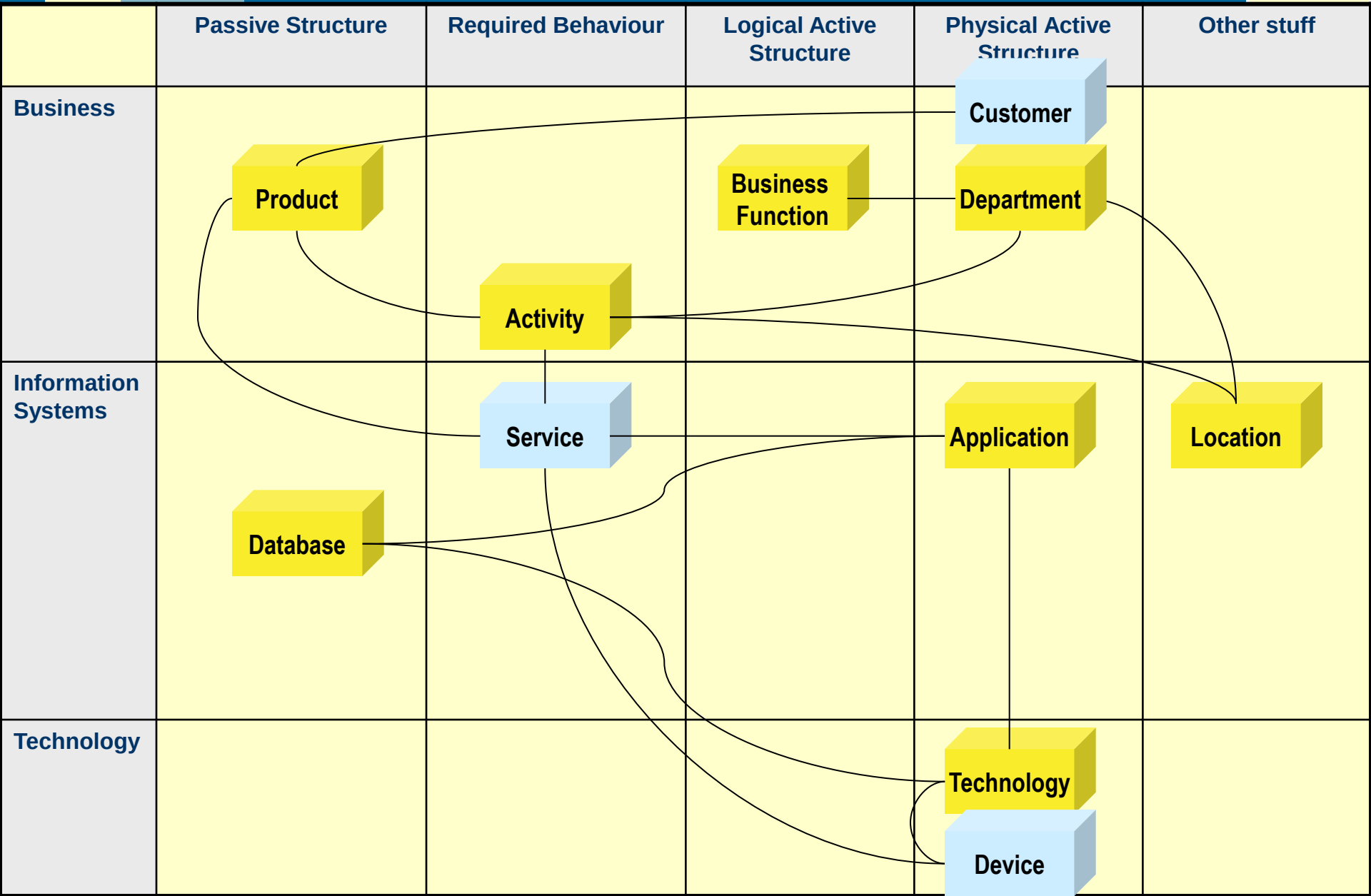

Much easier to follow than the version published in TOGAF

TOGAF 9's explicit meta model – drawn to fit PEAF

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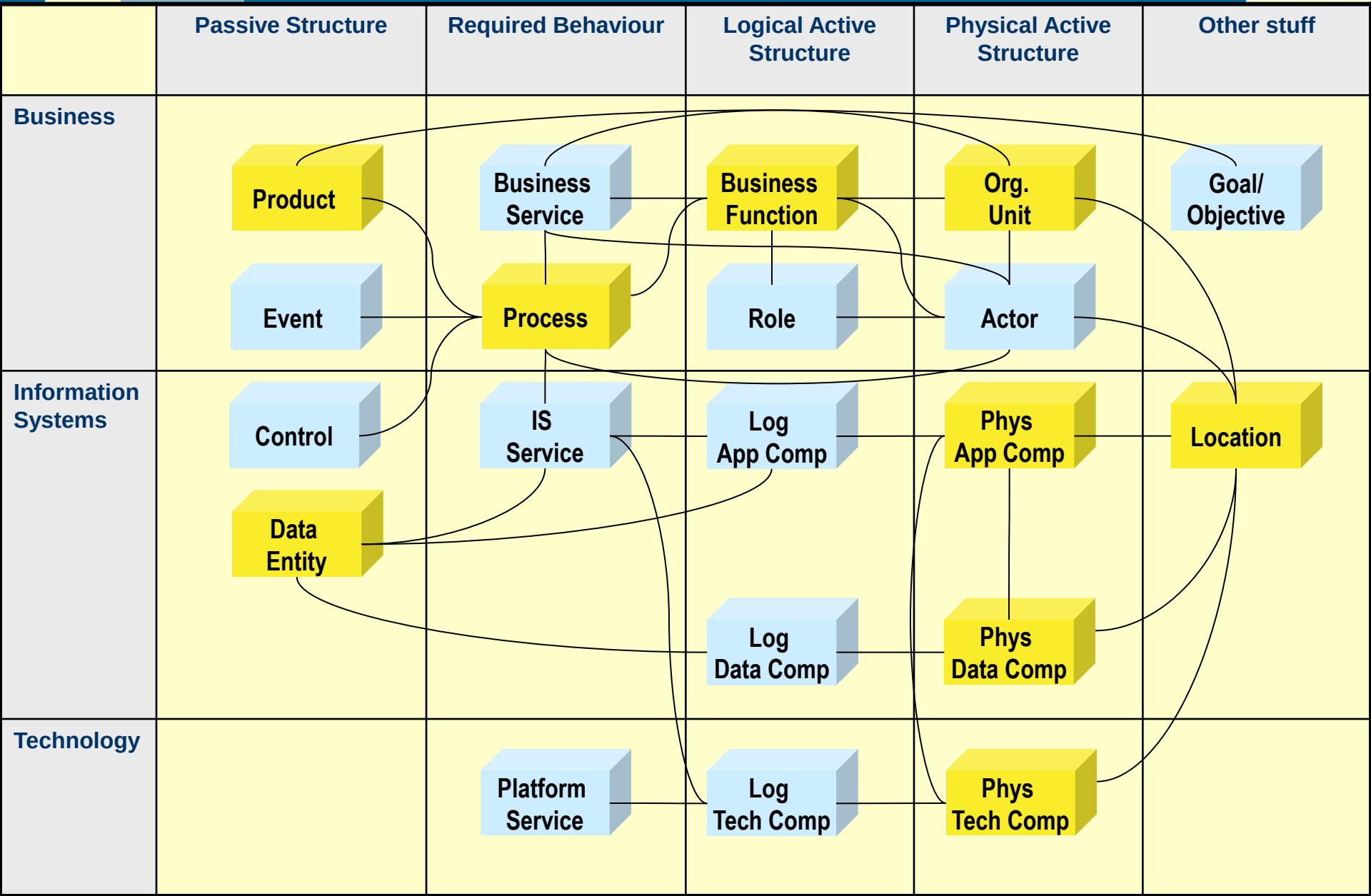

Much easier to follow than the version published in TOGAF

TOGAF 9's explicit meta model – drawn to fit BCS

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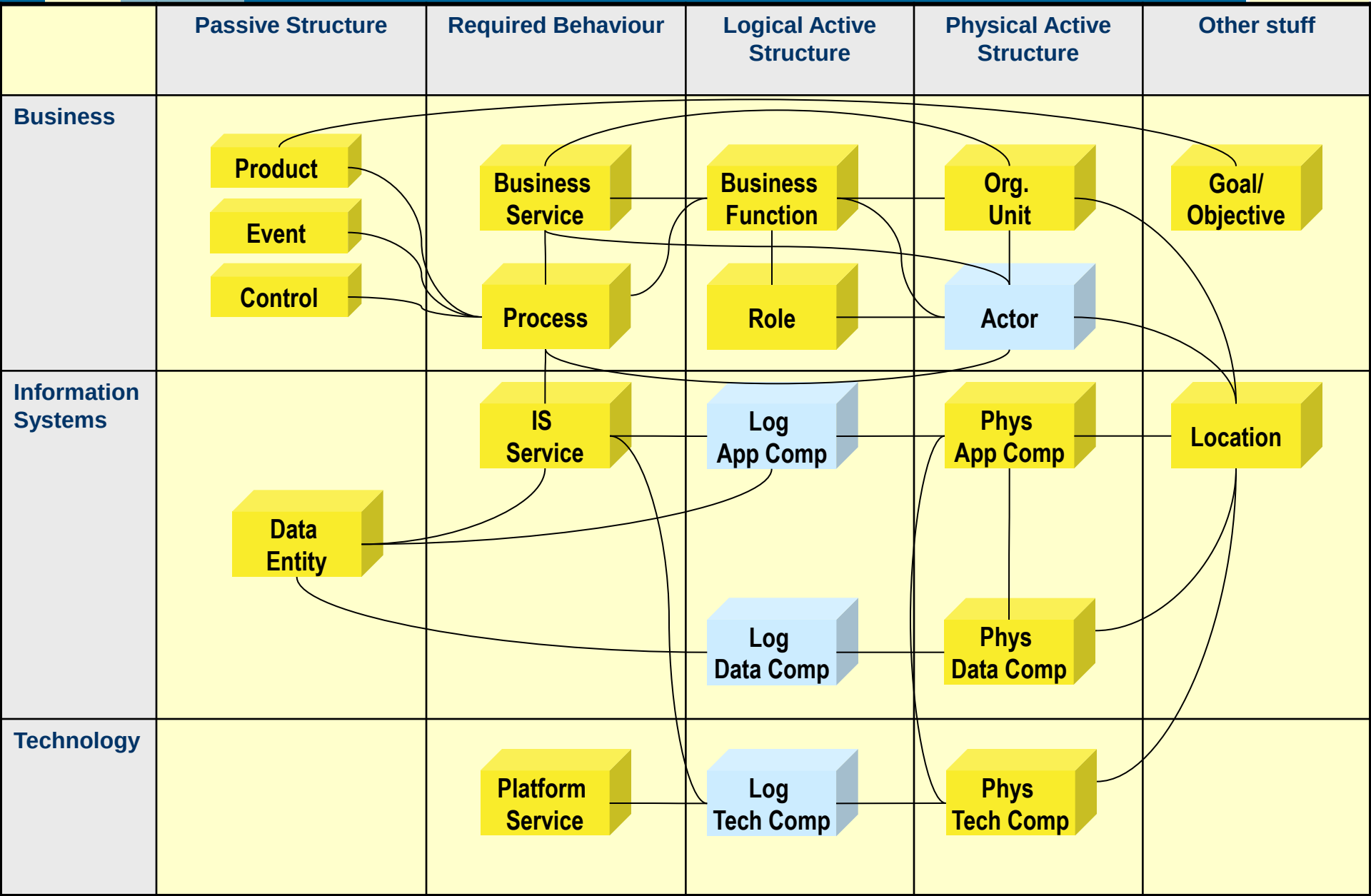

BCS's *implicit* reference model

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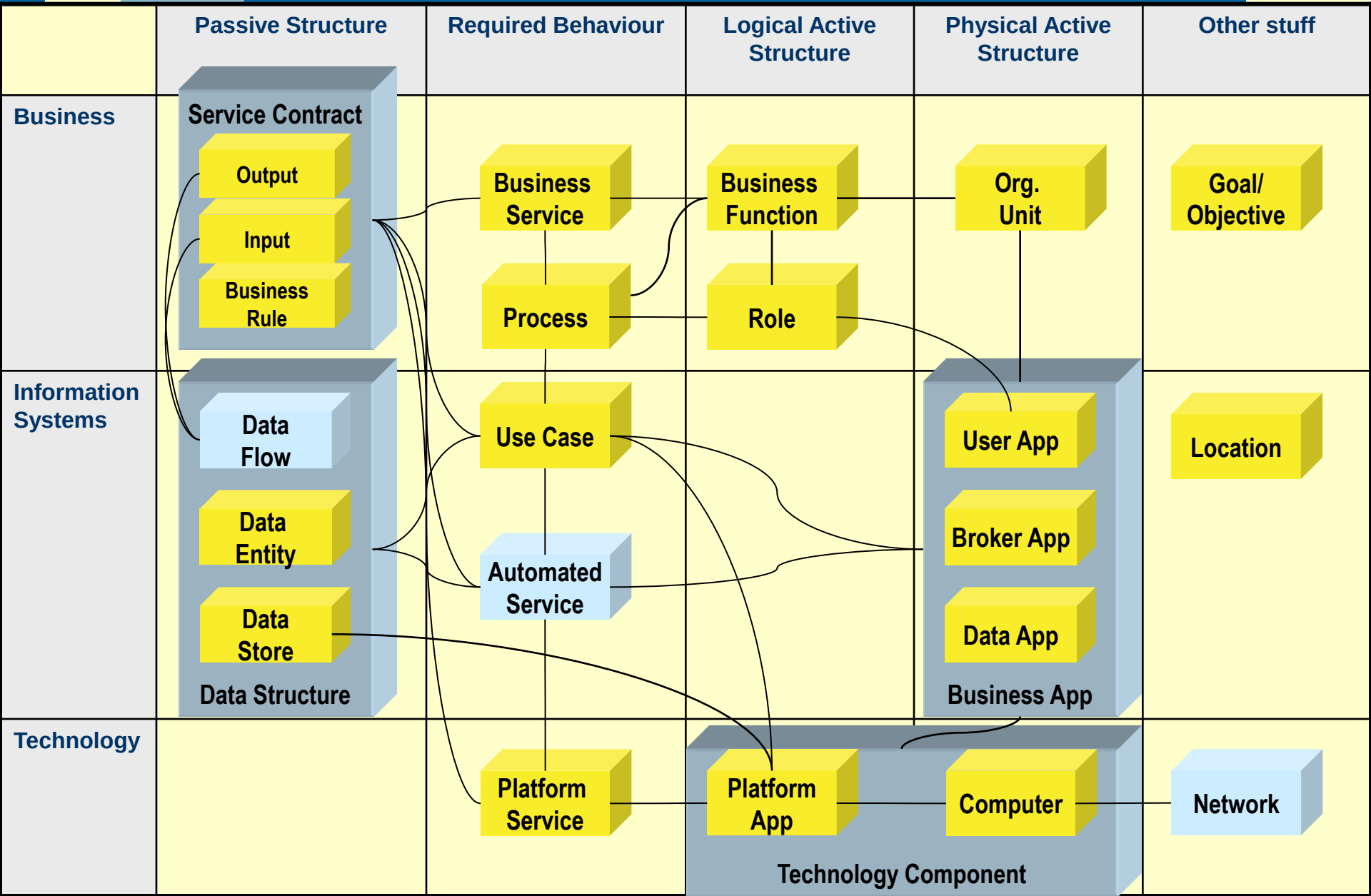
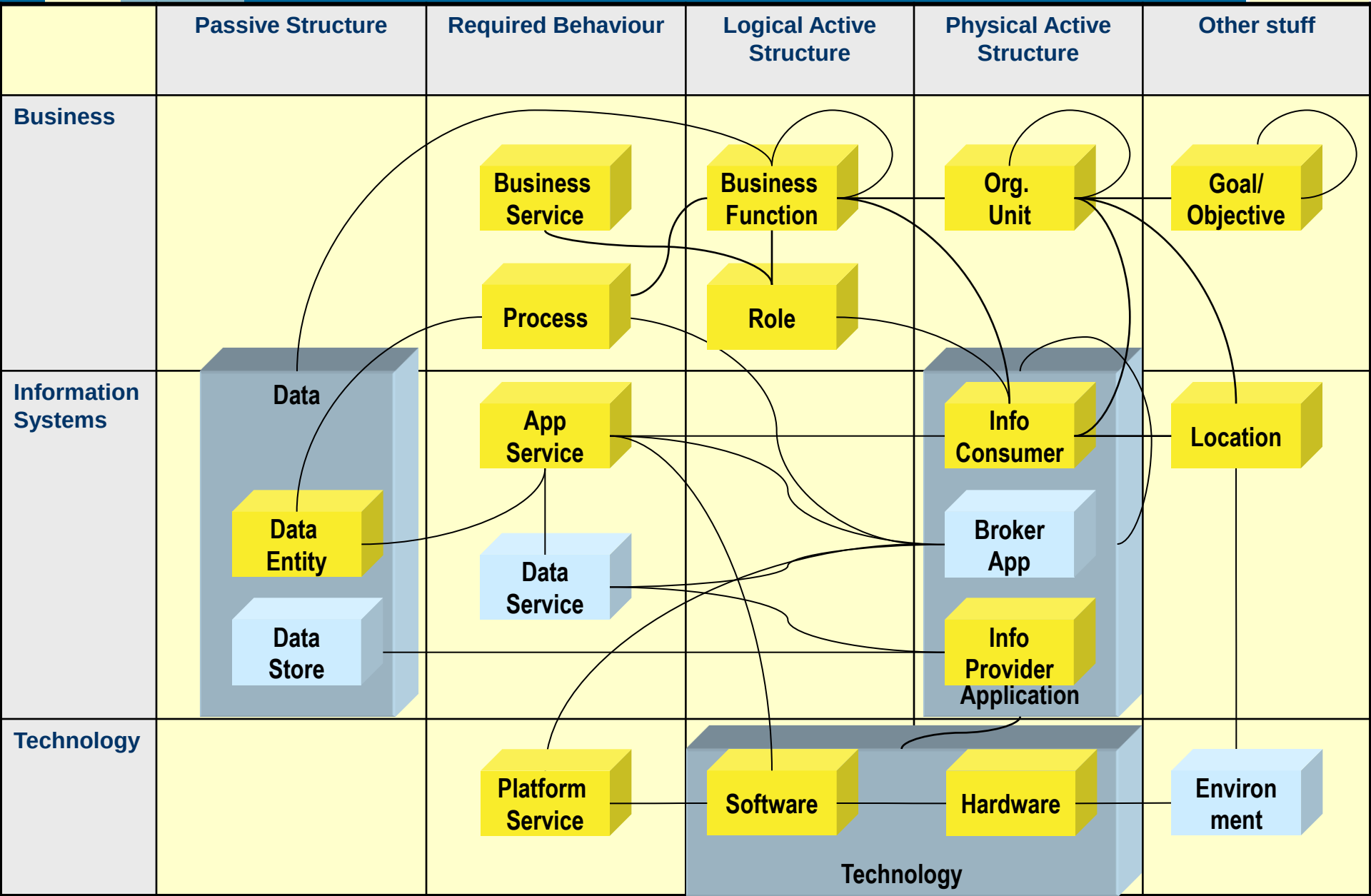


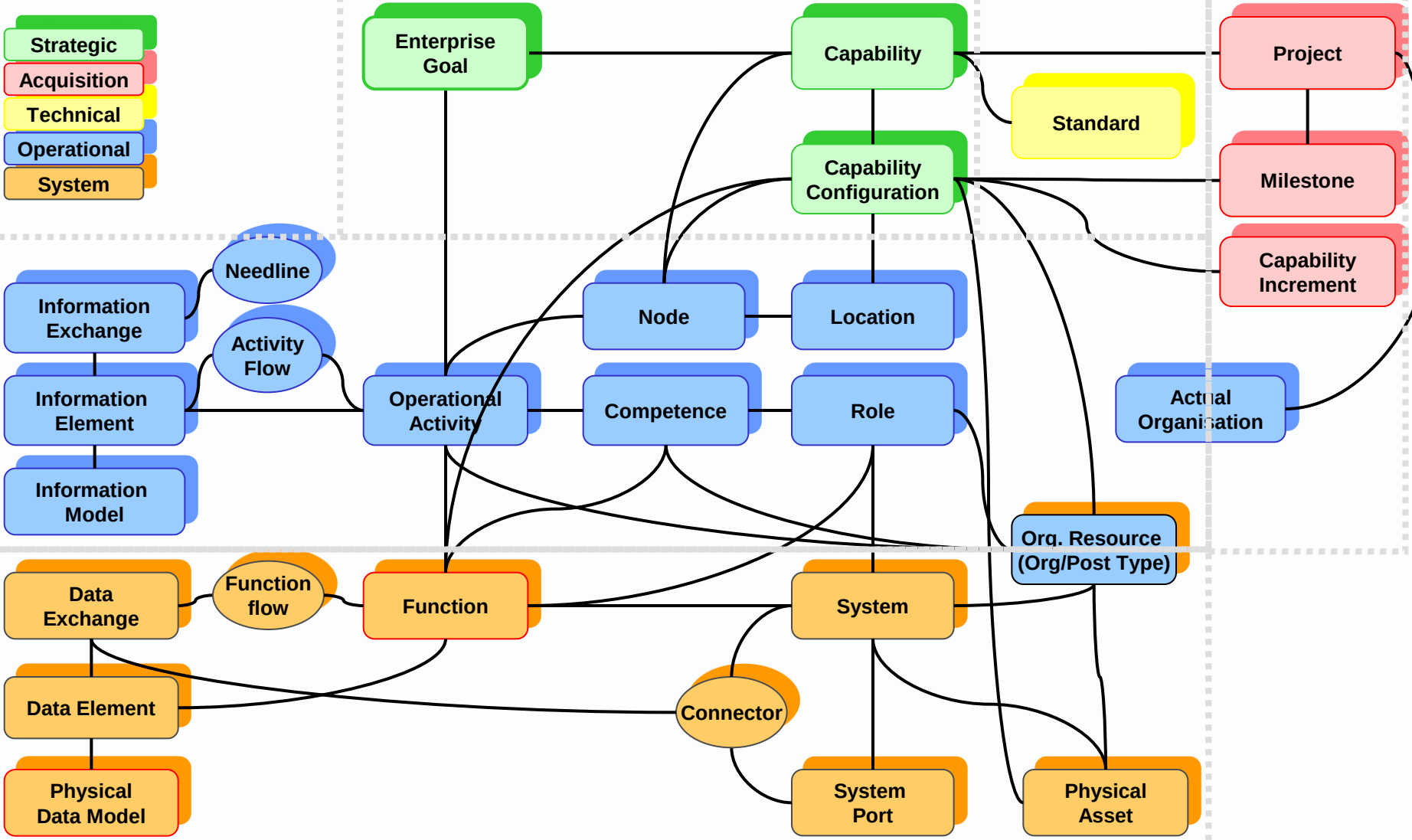
TOGAF 9's *implicit* meta model – drawn to fit the framework



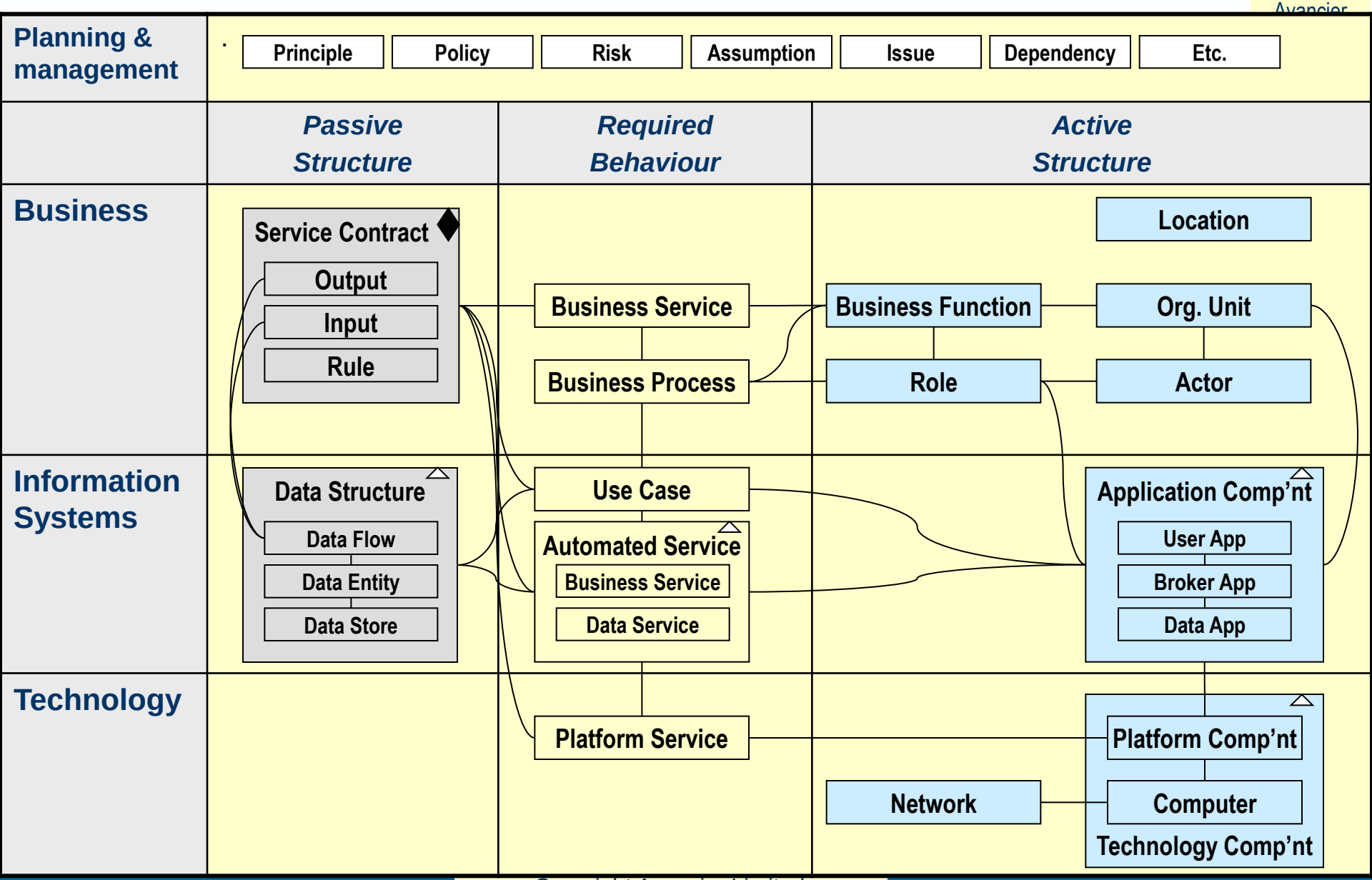
Of course

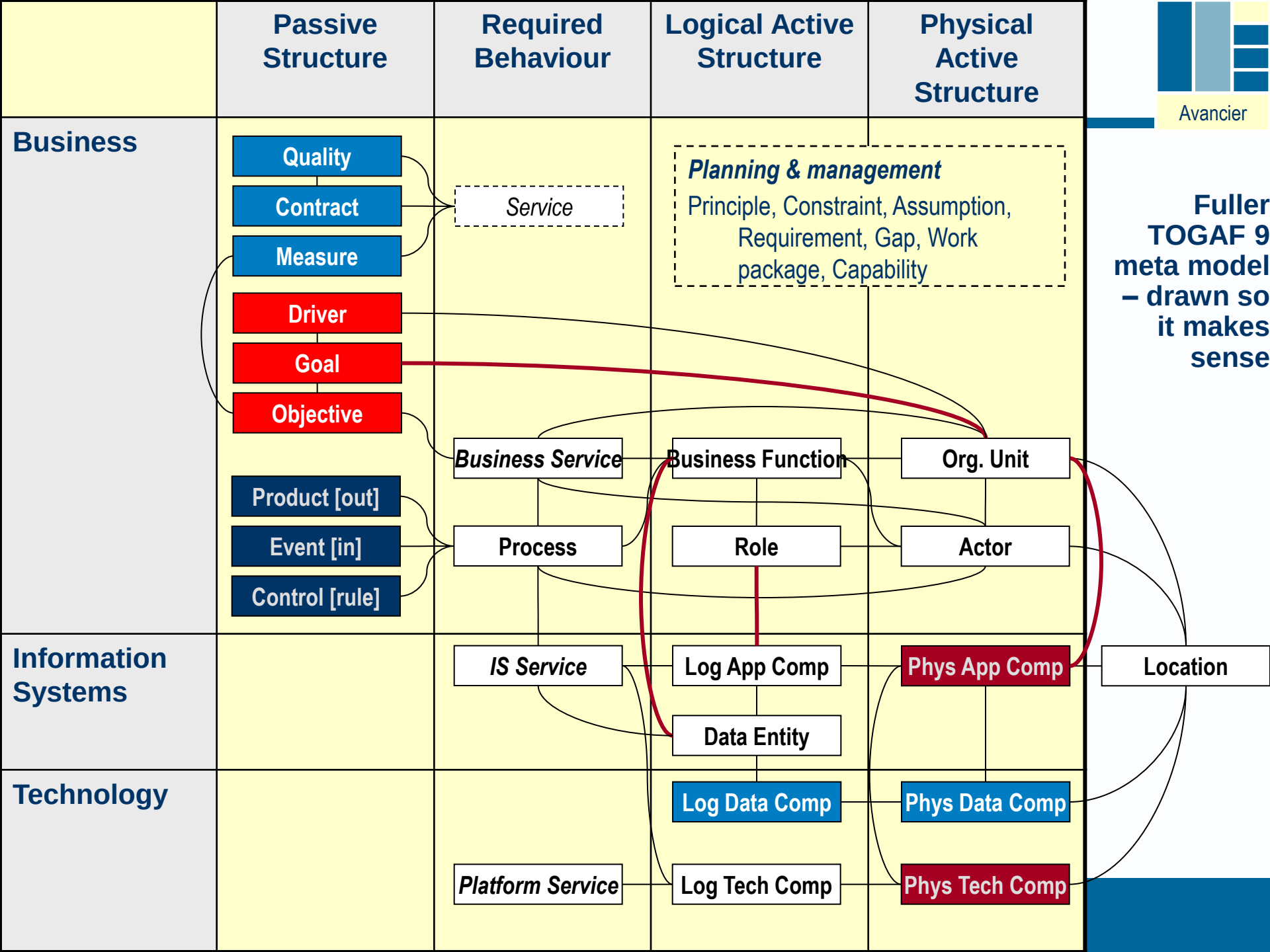
- The 3 x 5 presentation framework has to be adapted for different meta models

MODAF – doesn't so readily conform to the general shape
But still easier to read after alignment to it



Fuller BCS architecture meta model




Passive Structure
Required Behaviour
Logical Active Structure
Physical Active Structure
Business
Information Systems
Technology
Quality
Contract
Measure
Driver
Goal
Objective
Product [out]
Event [in]
Control [rule]
Service
Planning & management
Principle, Constraint, Assumption, Requirement, Gap, Work package, Capability
Business Service
Process
IS Service
Platform Service
Business Function
Role
Log App Comp
Data Entity
Log Data Comp
Log Tech Comp
Org. Unit
Actor
Phys App Comp
Phys Data Comp
Phys Tech Comp
Location
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Fuller TOGAF 9 meta model – drawn so it makes sense

This presentation is for those interested in aligning different architecture frameworks

5 related presentations in the Library at http://avancier.co.uk

Avancier

- **Logicality**
  - Process threads you will find in various architecture frameworks
- **Modularity**
  - Foundation concepts and strands in the modelling of human and computer activity systems
- **Granularity**
  - The challenge of multi-level goals, plans and specifications
- **Architecture meta meta concepts**
  - A 4 cell schema for modelling systems, which helps you understand meta models
- **Functionality**
  - Functions, Organisation Units and Processes in human activity systems
- **Architecture meta models**
  - Comparing the meta models of industry standard architecture frameworks