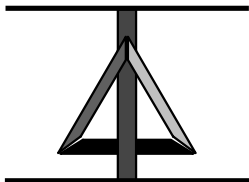


Data Model Patterns: A Metadata Map

East Coast Regional DAMA 2006

David C. Hay

May-June, 2006



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🌐 www.essentialstrategies.com

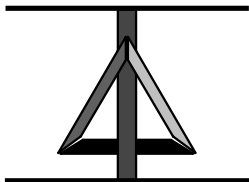
*Time is that quality of nature which keeps events from happening all at once.
Lately it doesn't seem to be working.*

Unknown

When I can't handle events, I let them handle themselves.

Henry Ford

Column 5: Timing and events



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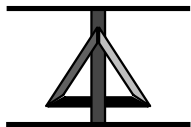
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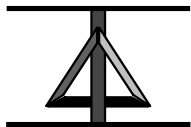
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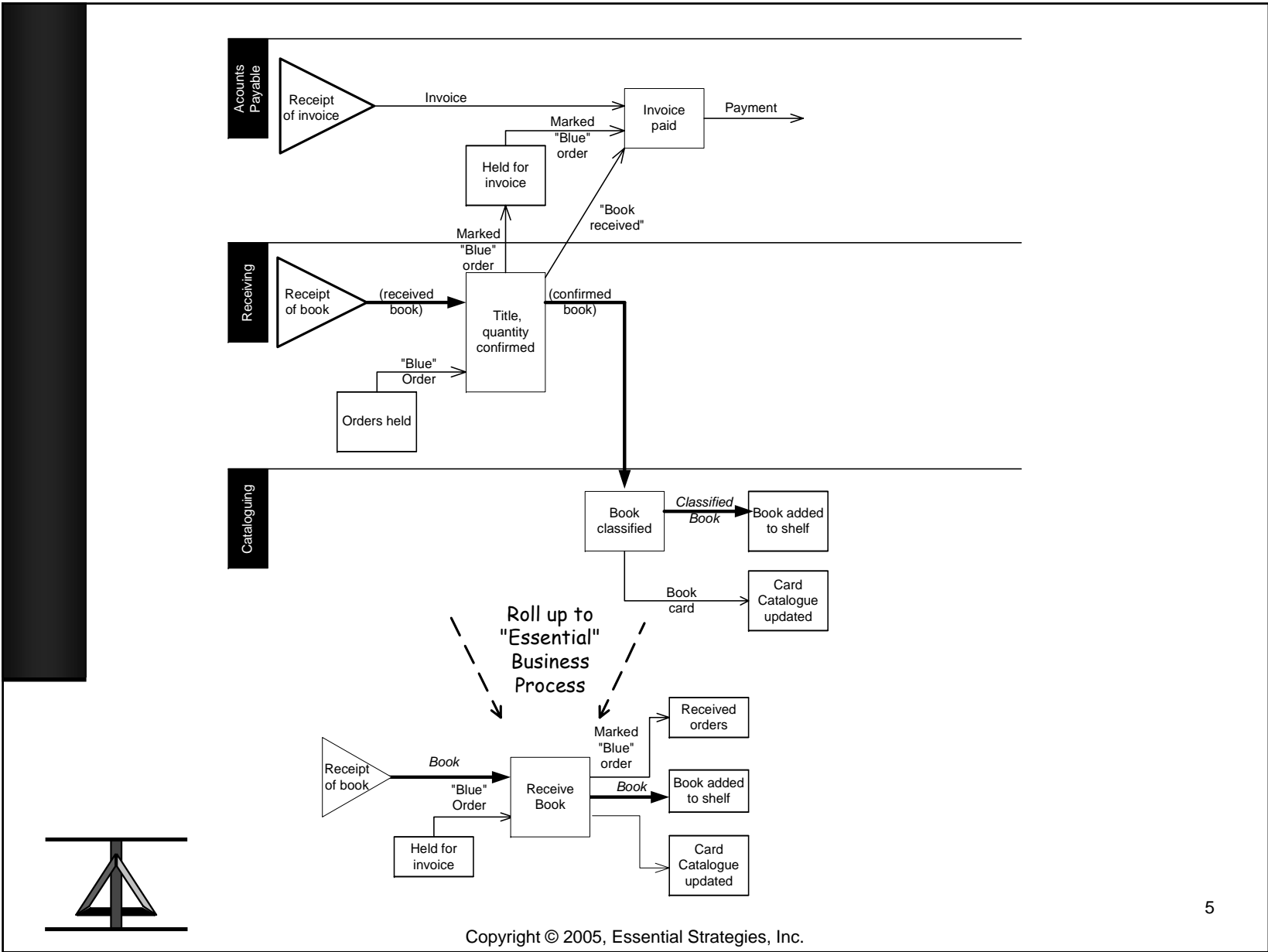
The Architecture Framework . . .

	<i>Data (What)</i>	<i>Activities (How)</i>	<i>Locations (Where)</i>	<i>People (Who)</i>	<i>Time (When)</i>	<i>Motivation (Why)</i>
Objectives / Scope (Planner's view)	List of things important to the enterprise 	List of processes the enterprise performs 	List of enterprise locations 	Organization approaches 	Business master schedule 	Business vision and mission
Enterprise model (Business Owners' Views)	Language, divergent data model 	Business process model 	Logistics network 	Organization chart 	State / transition diagram 	Business strategies, tactics, policies, rules
Model of Fundamental Concepts (Architect's View)	Convergent e/r model 	Essential data flow diagram 	Locations of roles 	The viable system, use cases 	Entity Life History 	Business rule model
Technology Model (Designer's View)	Data base design 	System design, program structure 	Hardware, software distribution 	User interface, security design 	Control structure 	Business rule design
Detailed Representation (Builder's View)	Physical storage design 	Detailed program design 	Network architecture, protocols 	Screens, security coding 	Timing definitions 	Rule specification program logic
Functioning System	<i>(Working System)</i>					
	Converted data	Executable programs	Communications facilities	Trained people	Business events	Enforced rules



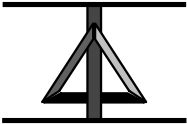
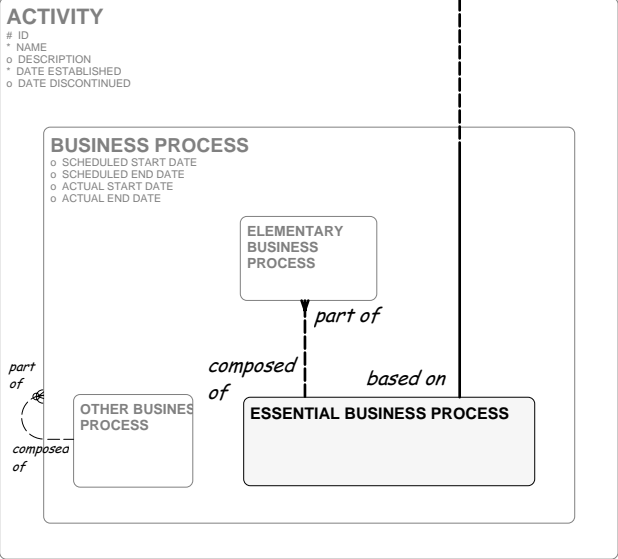
Row two:
The business owner's View

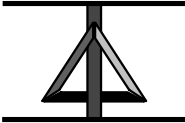
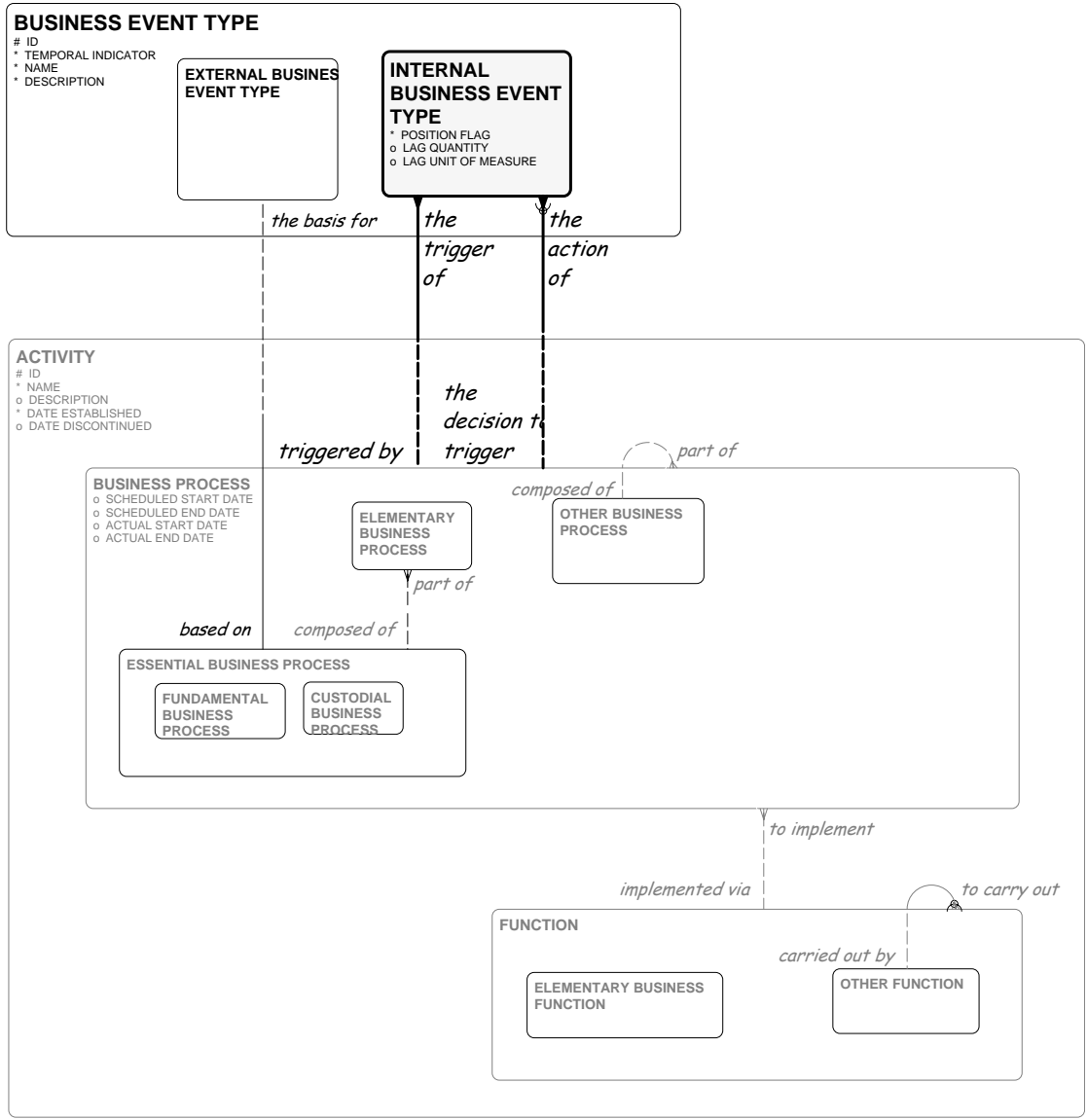


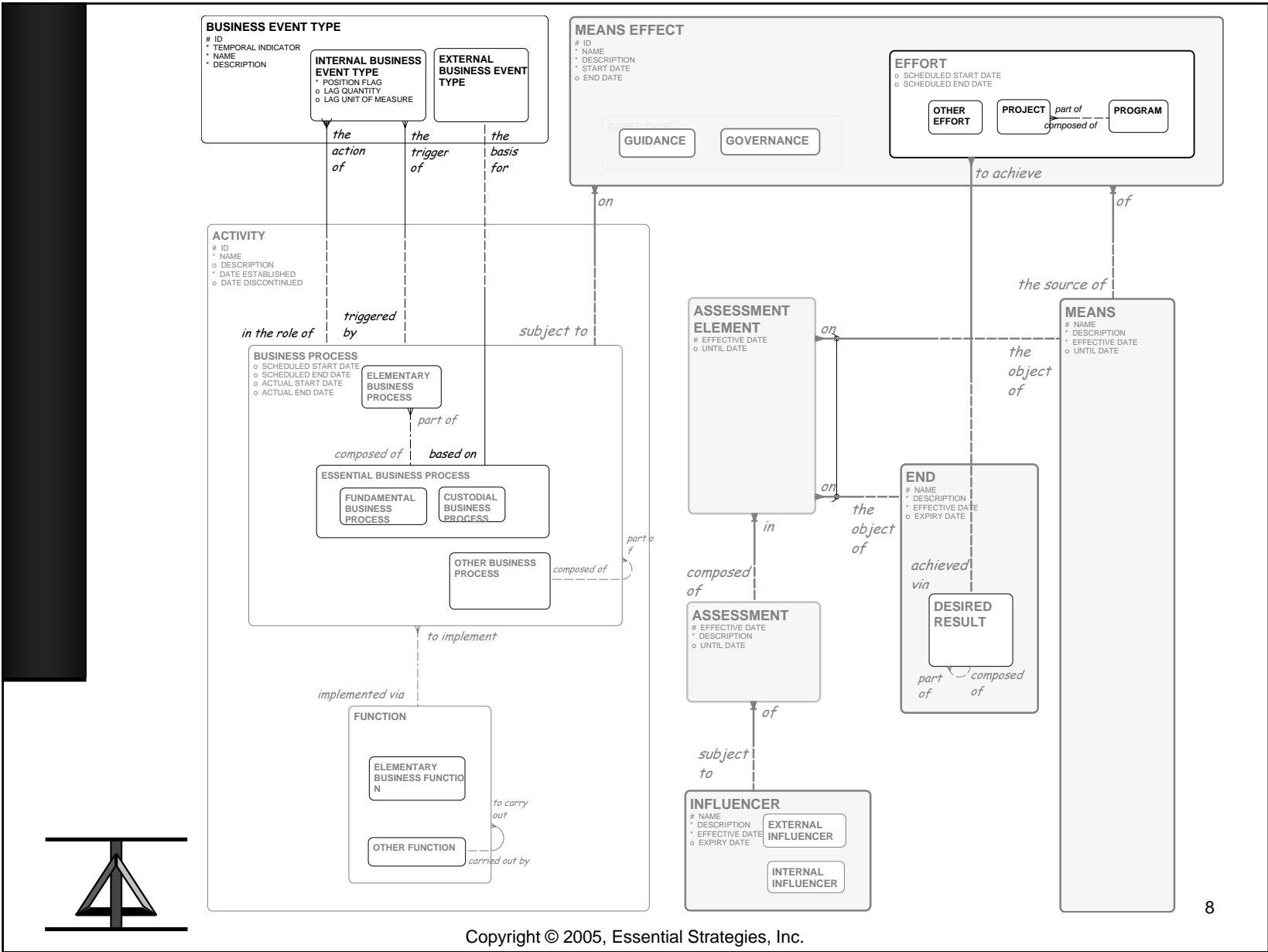


EXTERNAL BUSINESS EVENT TYPE
* TEMPORAL INDICATOR

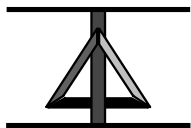
the basis for

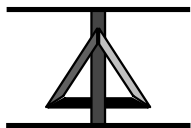
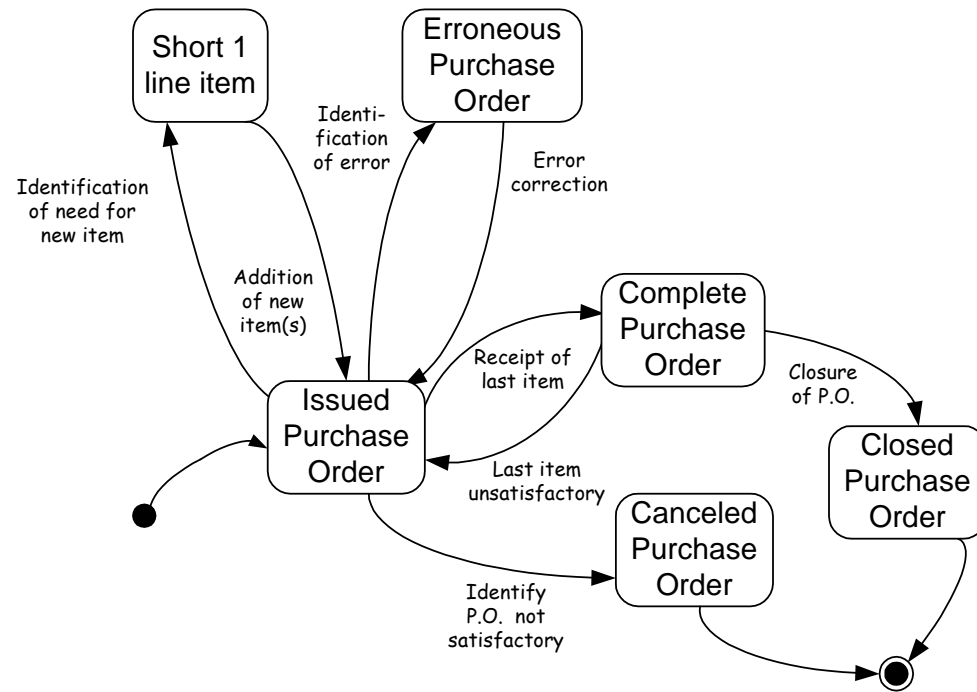


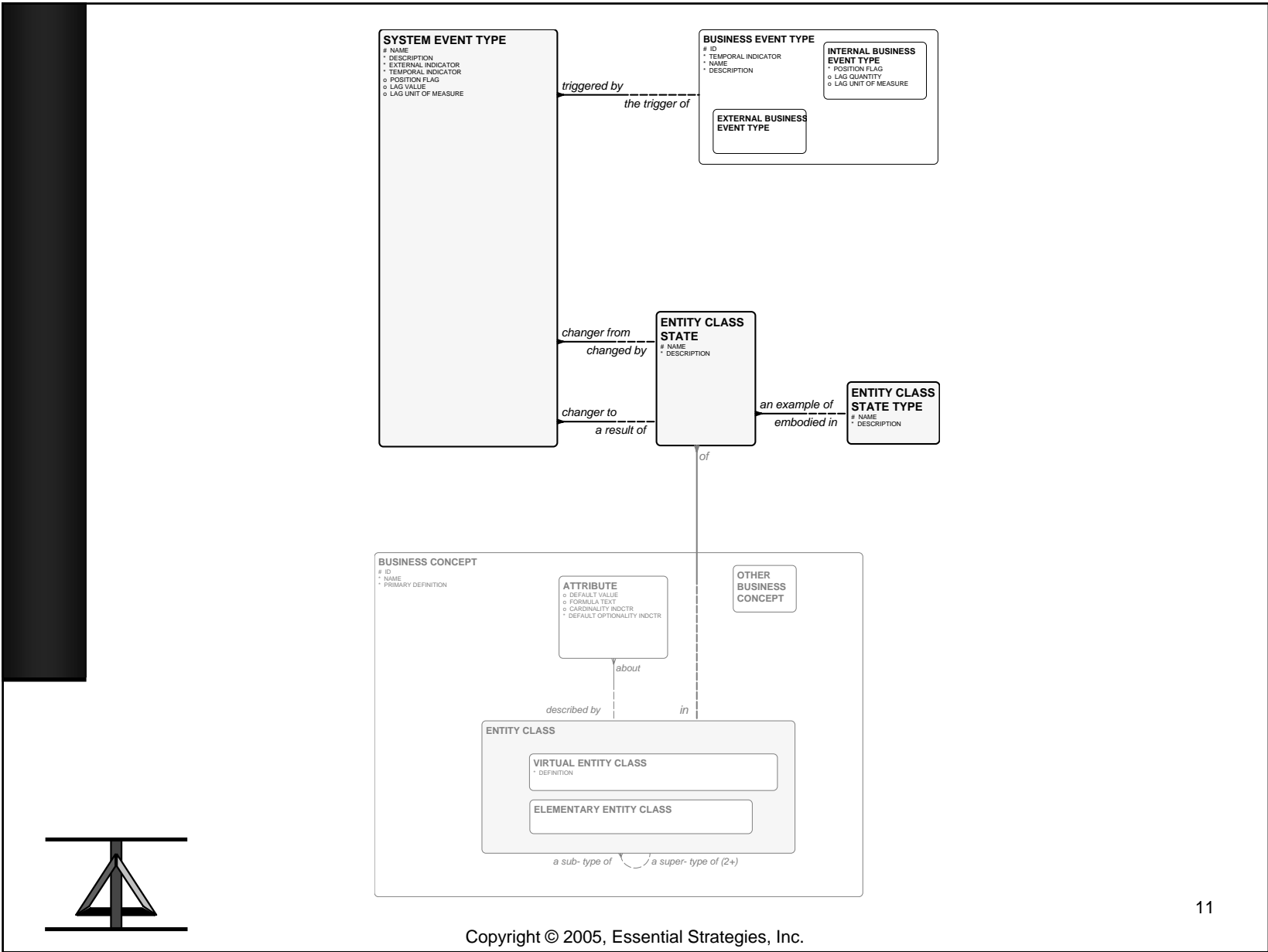


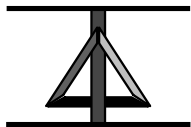
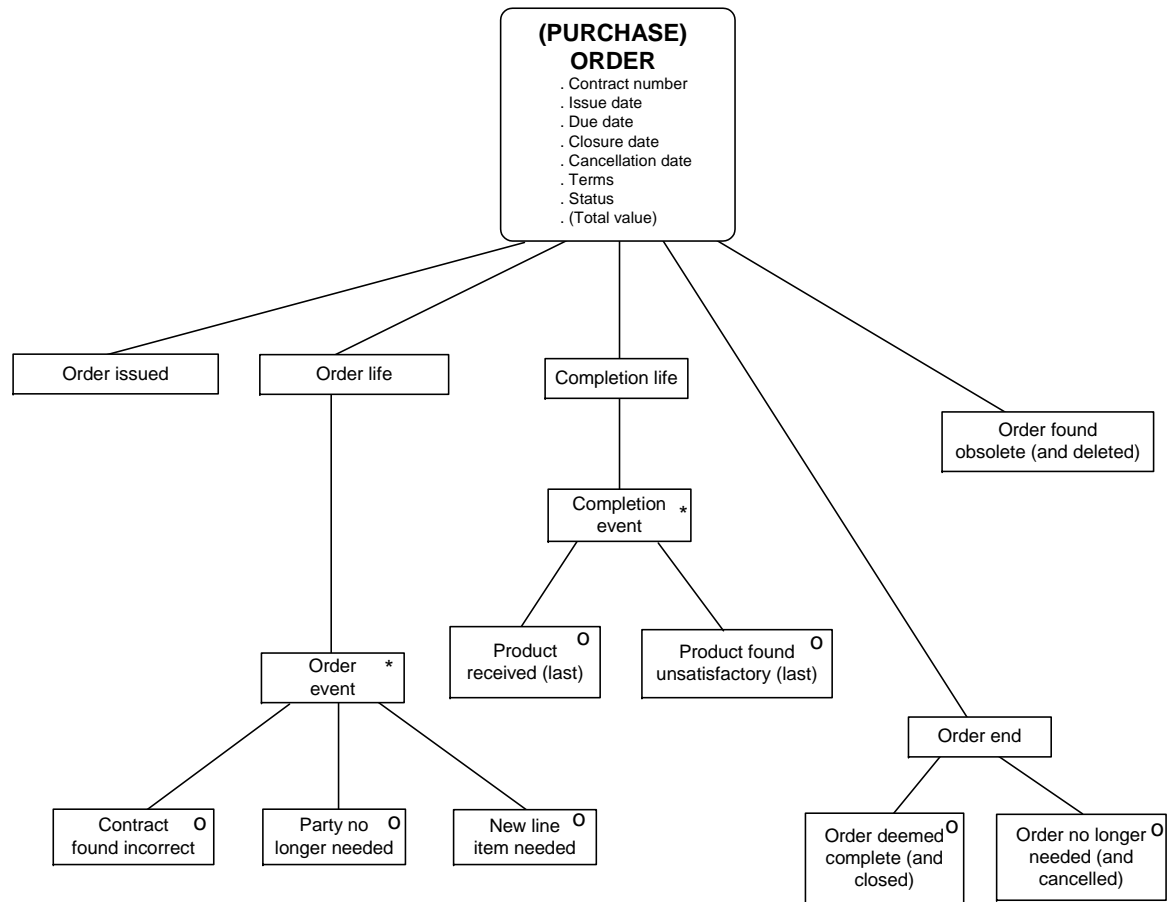


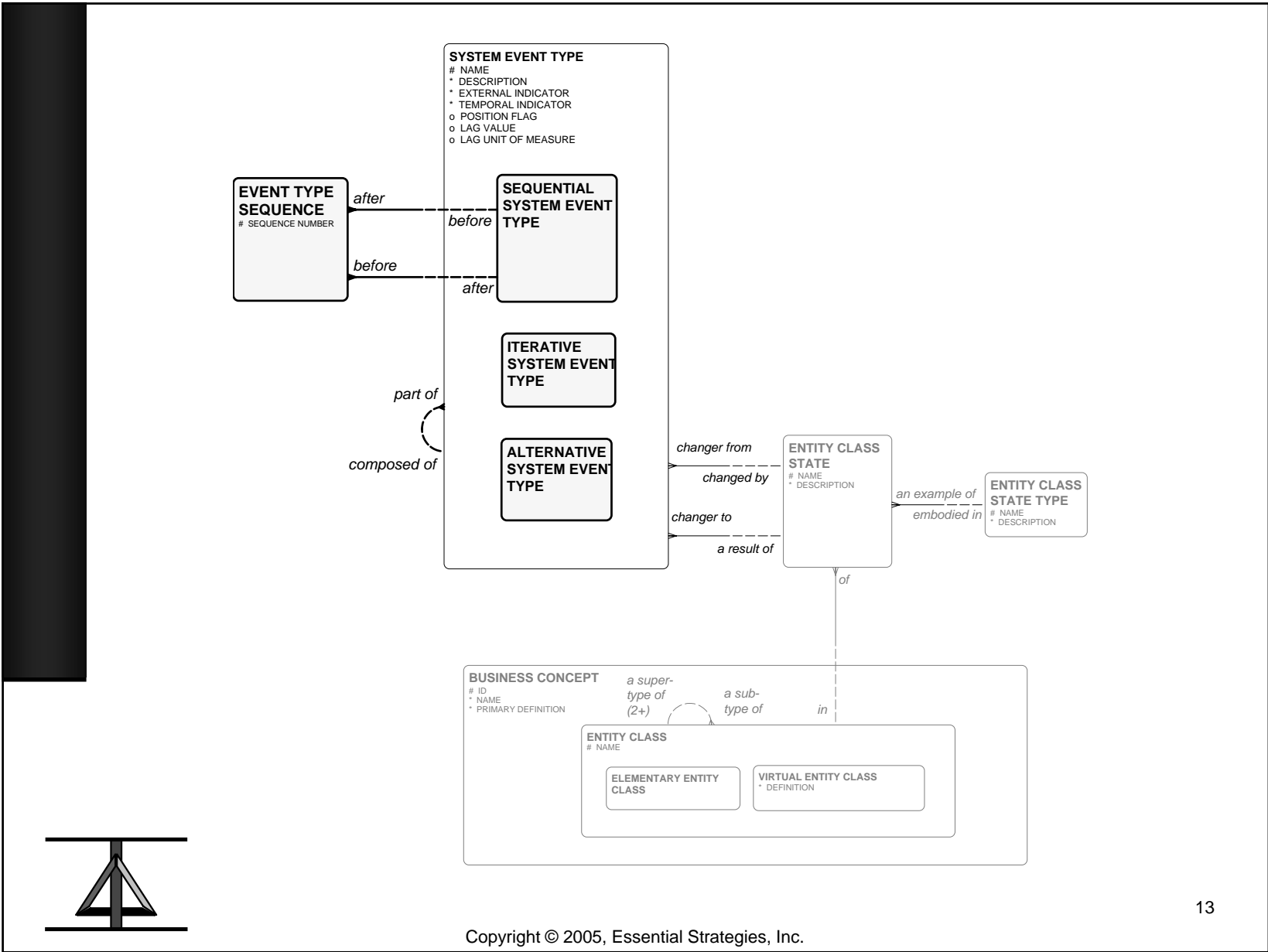
Row three:
The architect's View







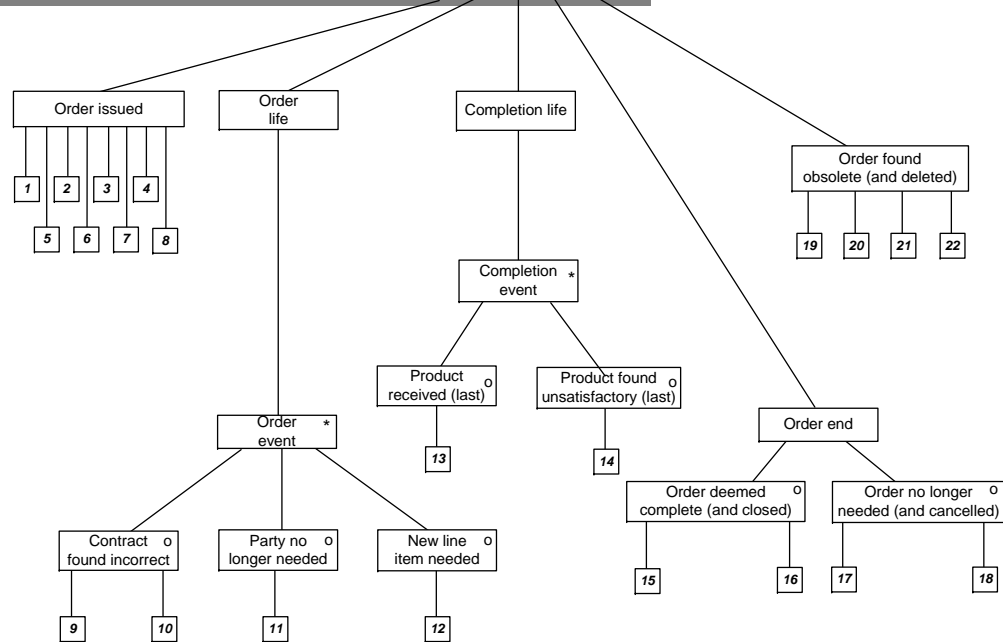


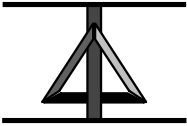
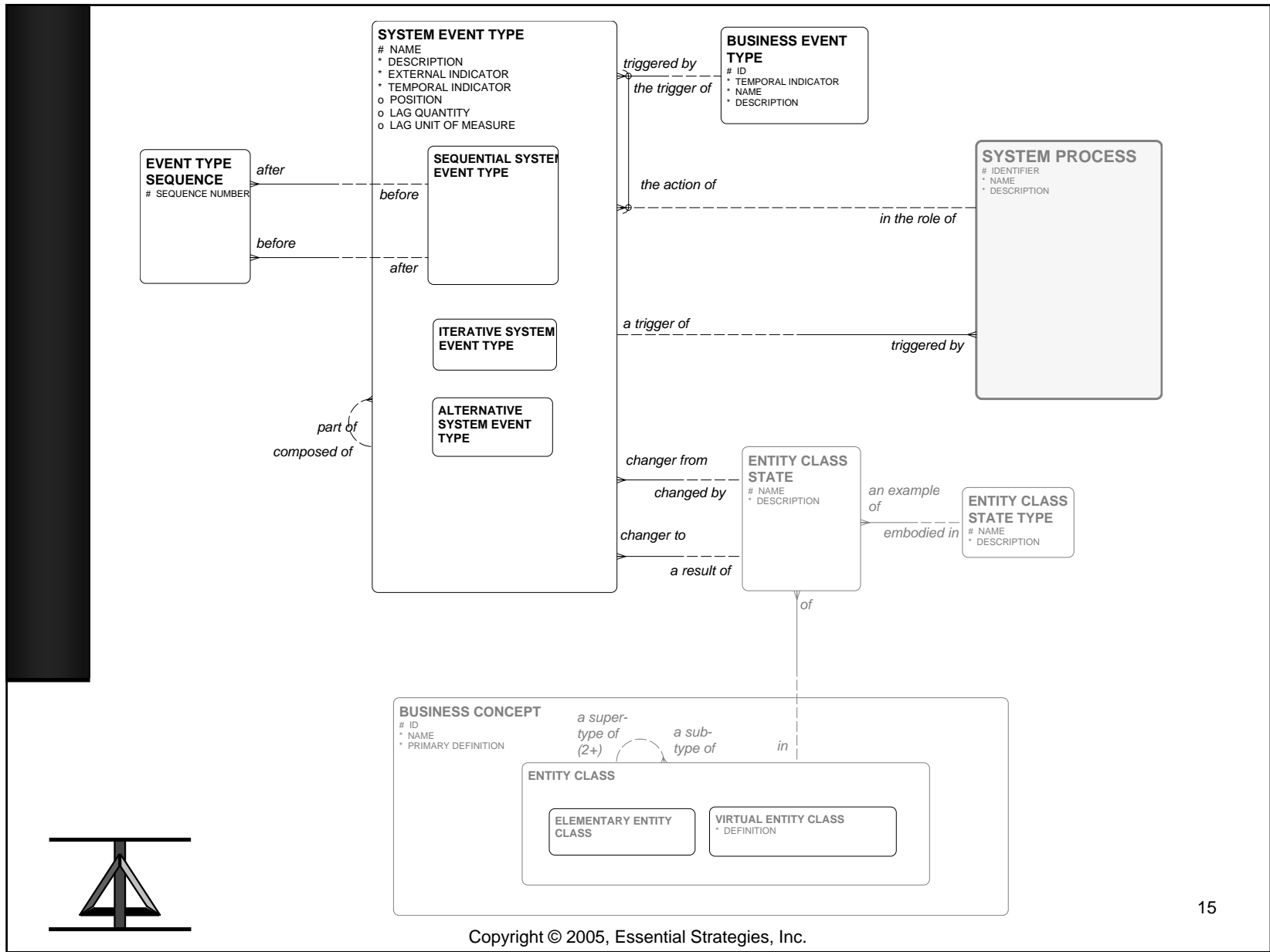


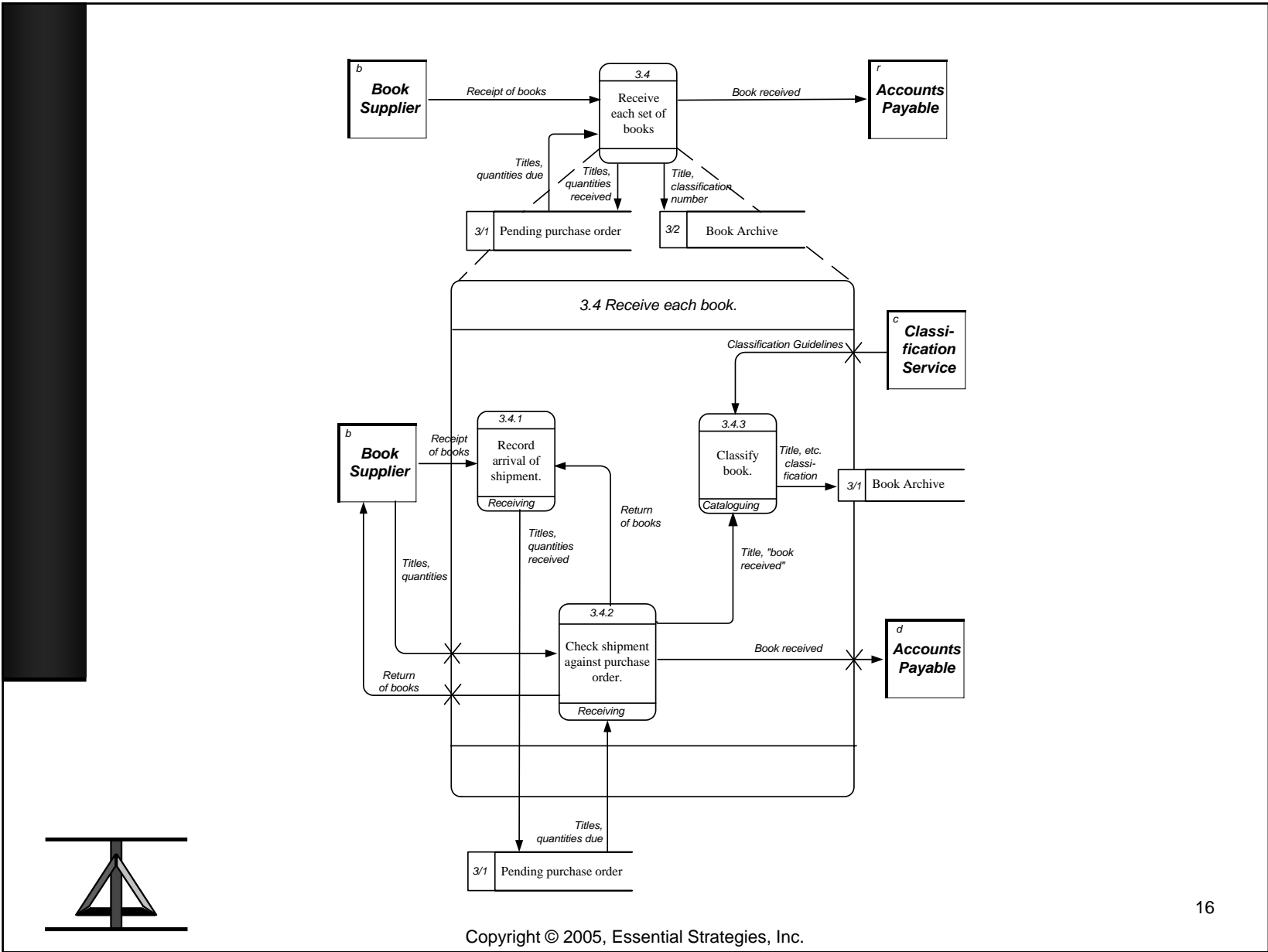
Order issued:

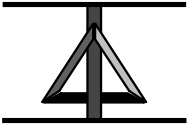
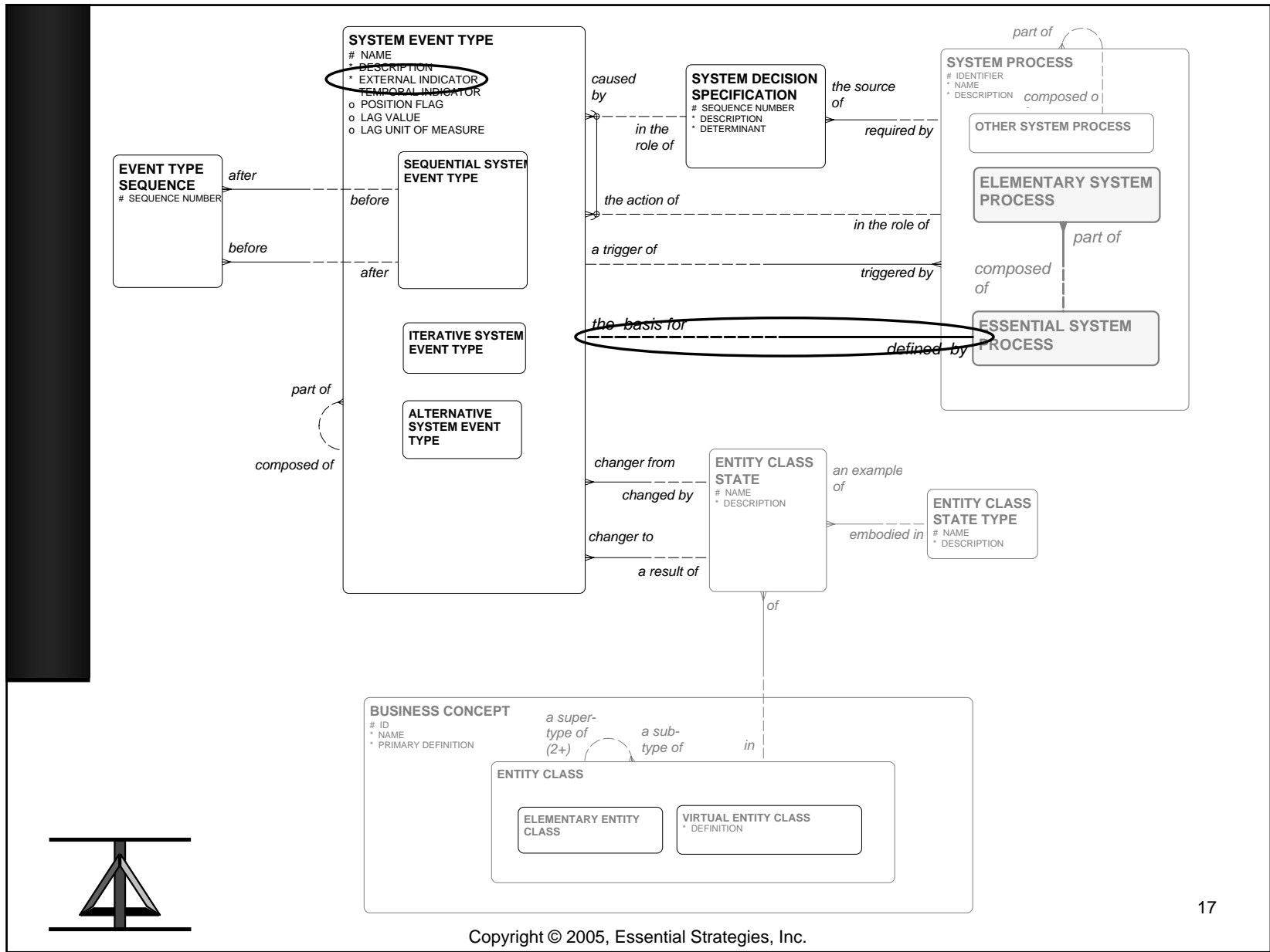
1. Create order.
2. Tie order to *from* party.
3. Tie order to *to* party.
4. Create one or more line items, and tie them to an order.
5. Set order (Issue date).
6. Set order (Due date).
7. Set order (State) to "open".
8. Set order (Terms).

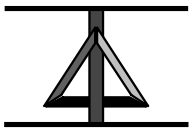
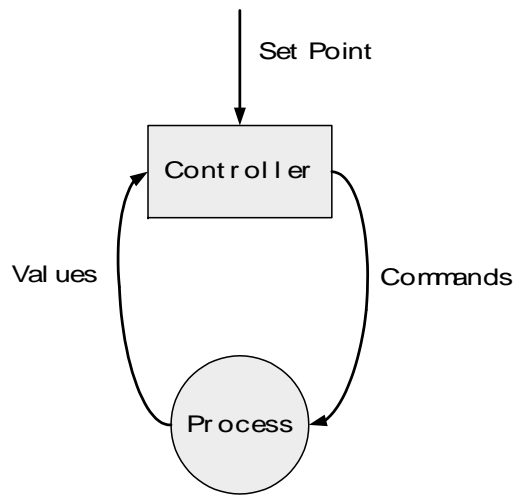
**(PURCHASE)
ORDER**
 . Contract number
 . Issue date
 . Due date
 . Closure date
 . Cancellation date
 . Terms
 . Status
 . (Total value)

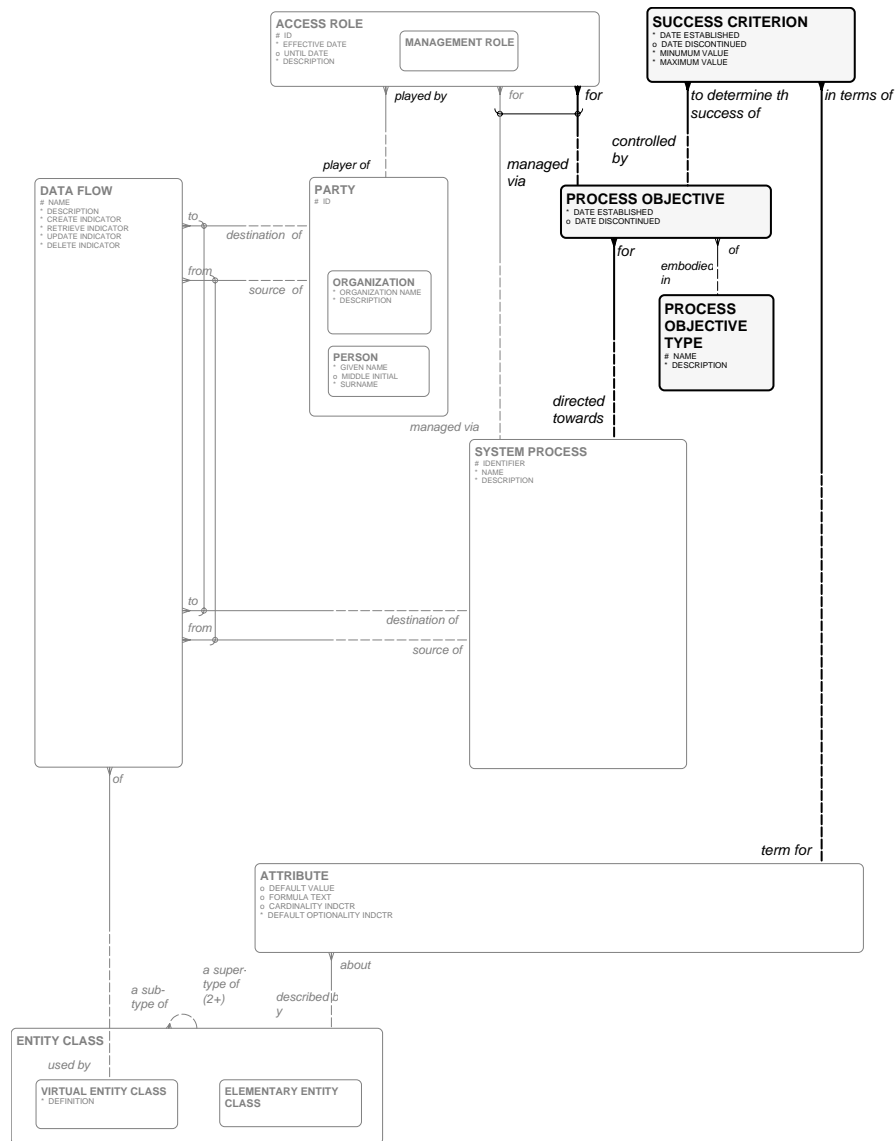




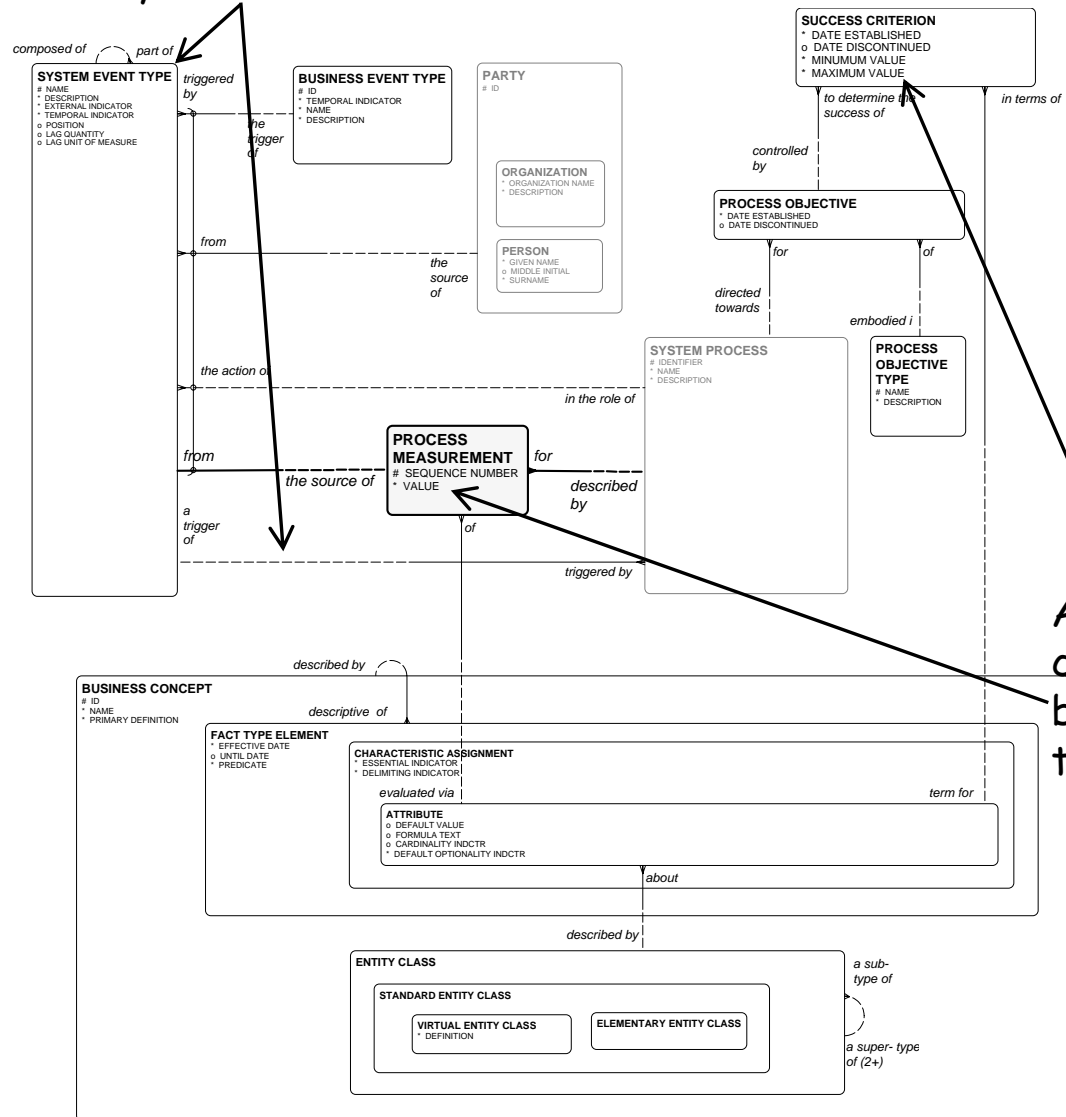




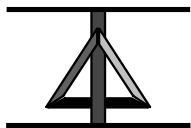




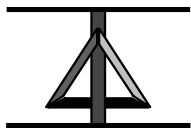
...can yield this.



A comparison between these two...



Row four:
The designer's View



... to be continued ...

