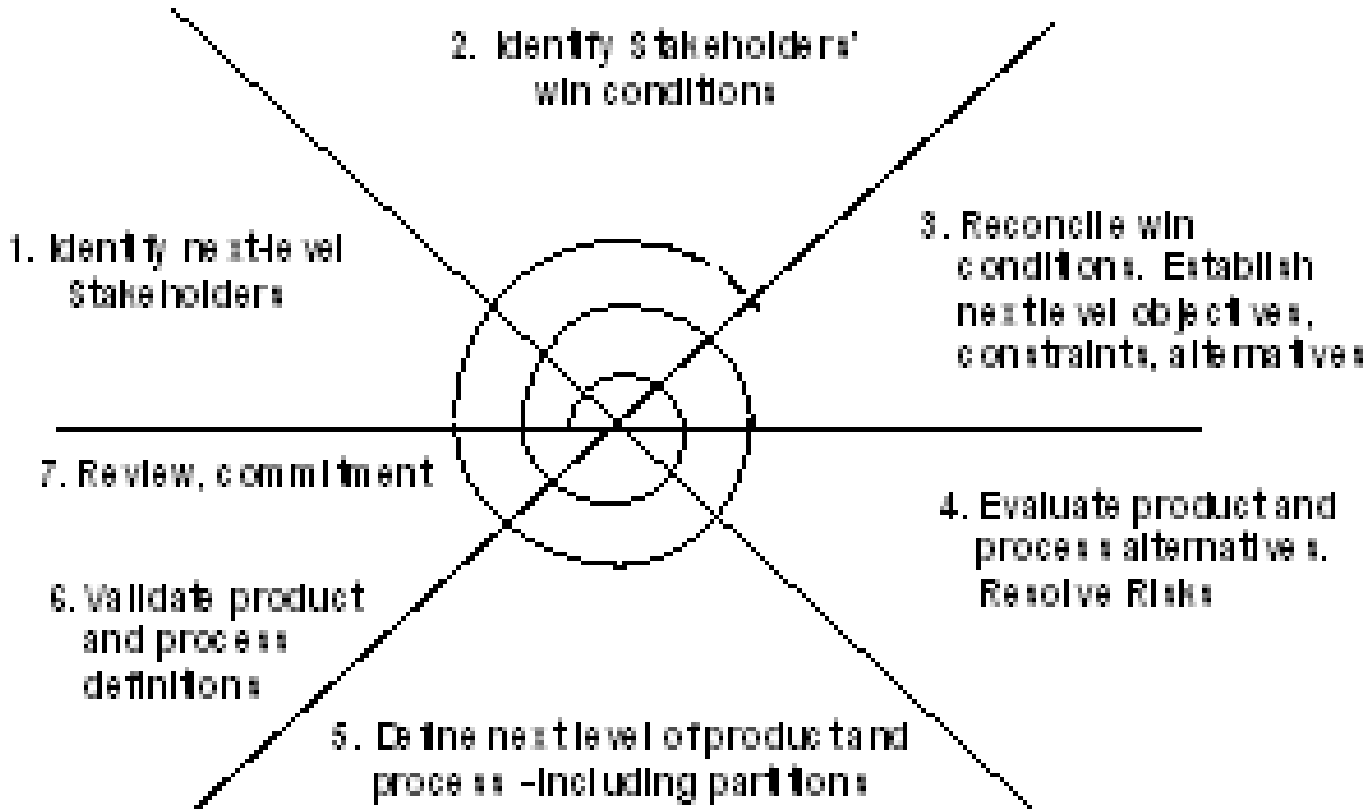
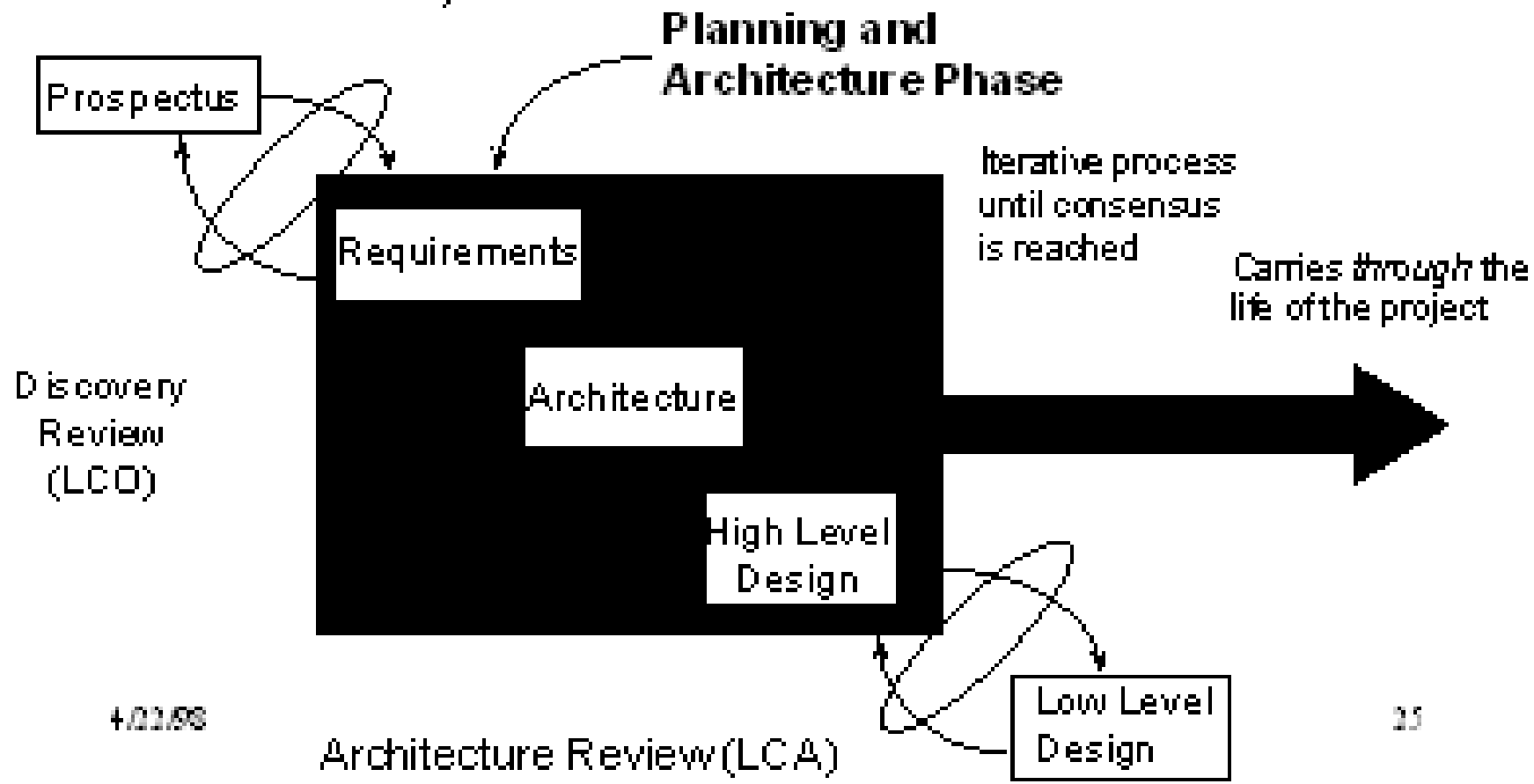
The WinWin Spiral Model



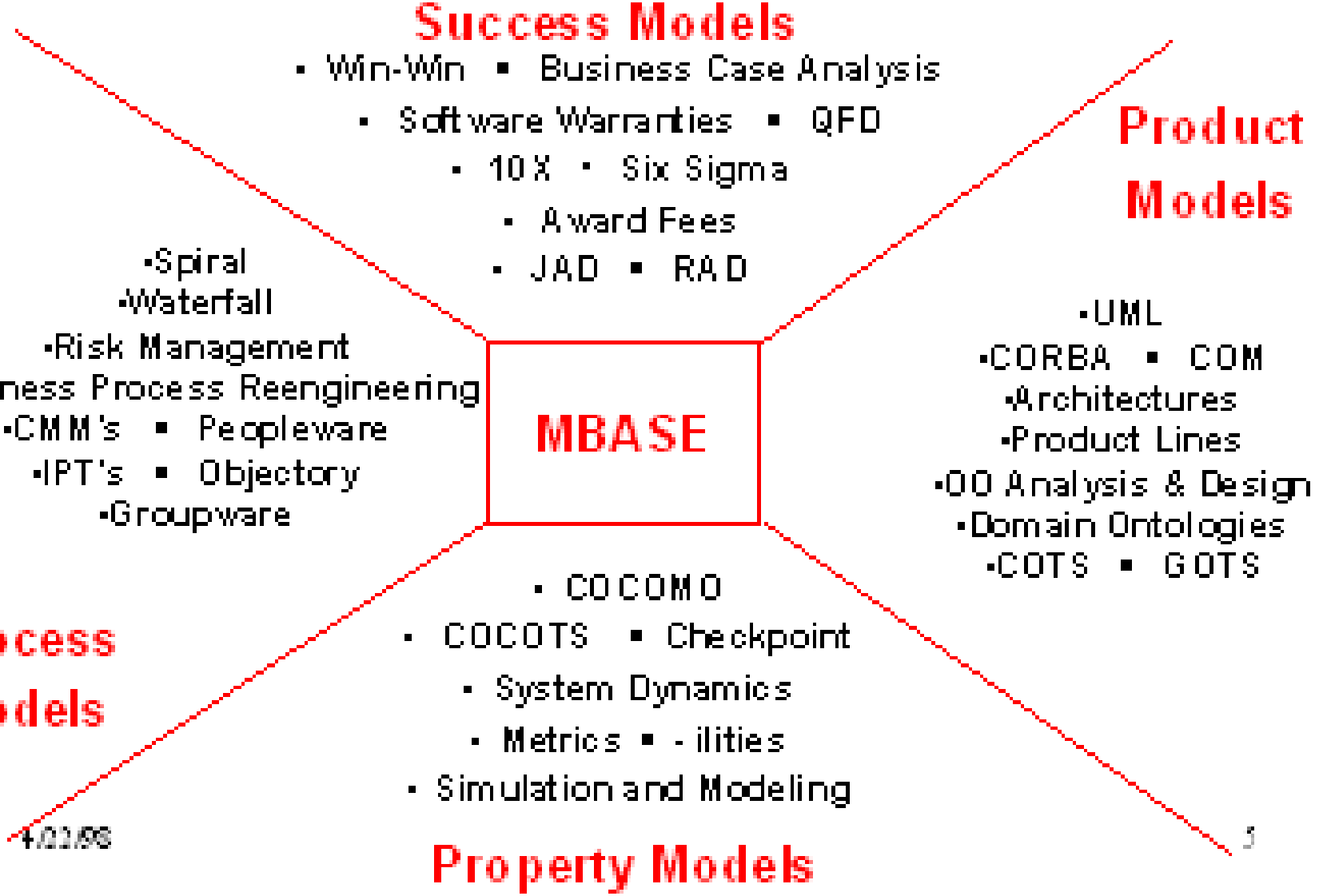
AT&T Architectural Review Board:

Architecture in a Project's Life Cycle

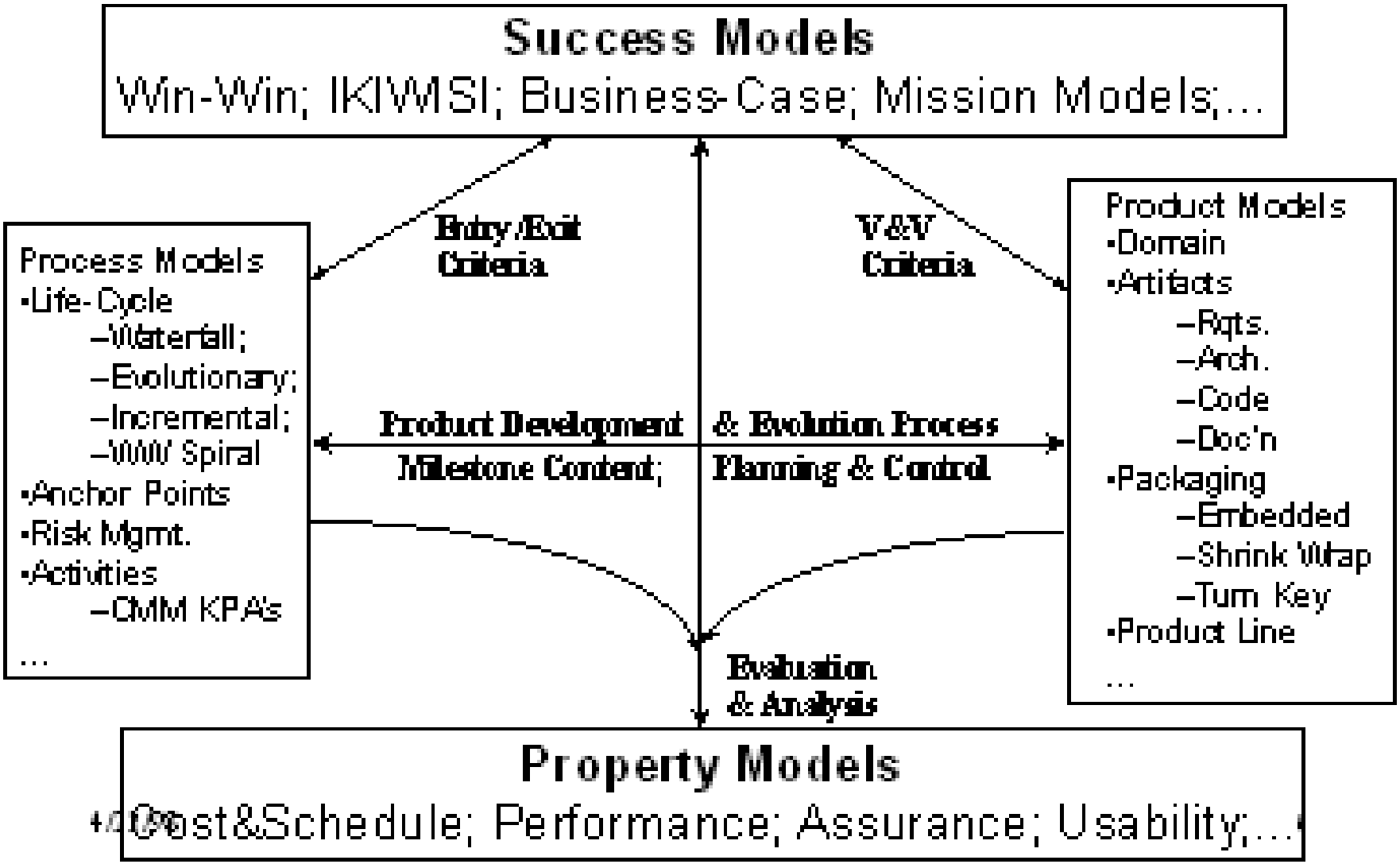
It encompasses the requirements, architecture and high level design phases of the typical waterfall diagram. It also continues throughout the life of the project (someone continues to wear the architect's hat).



One View: Models Needing Integration



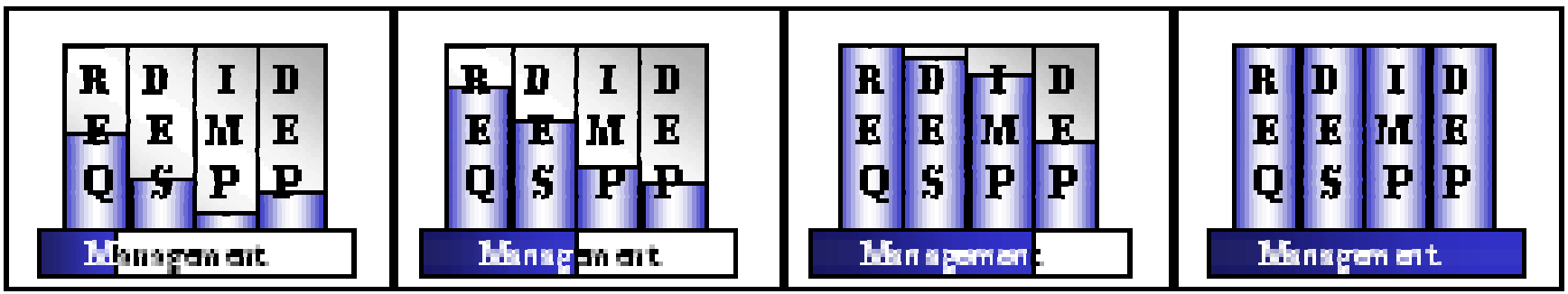
MBASE Integration Framework

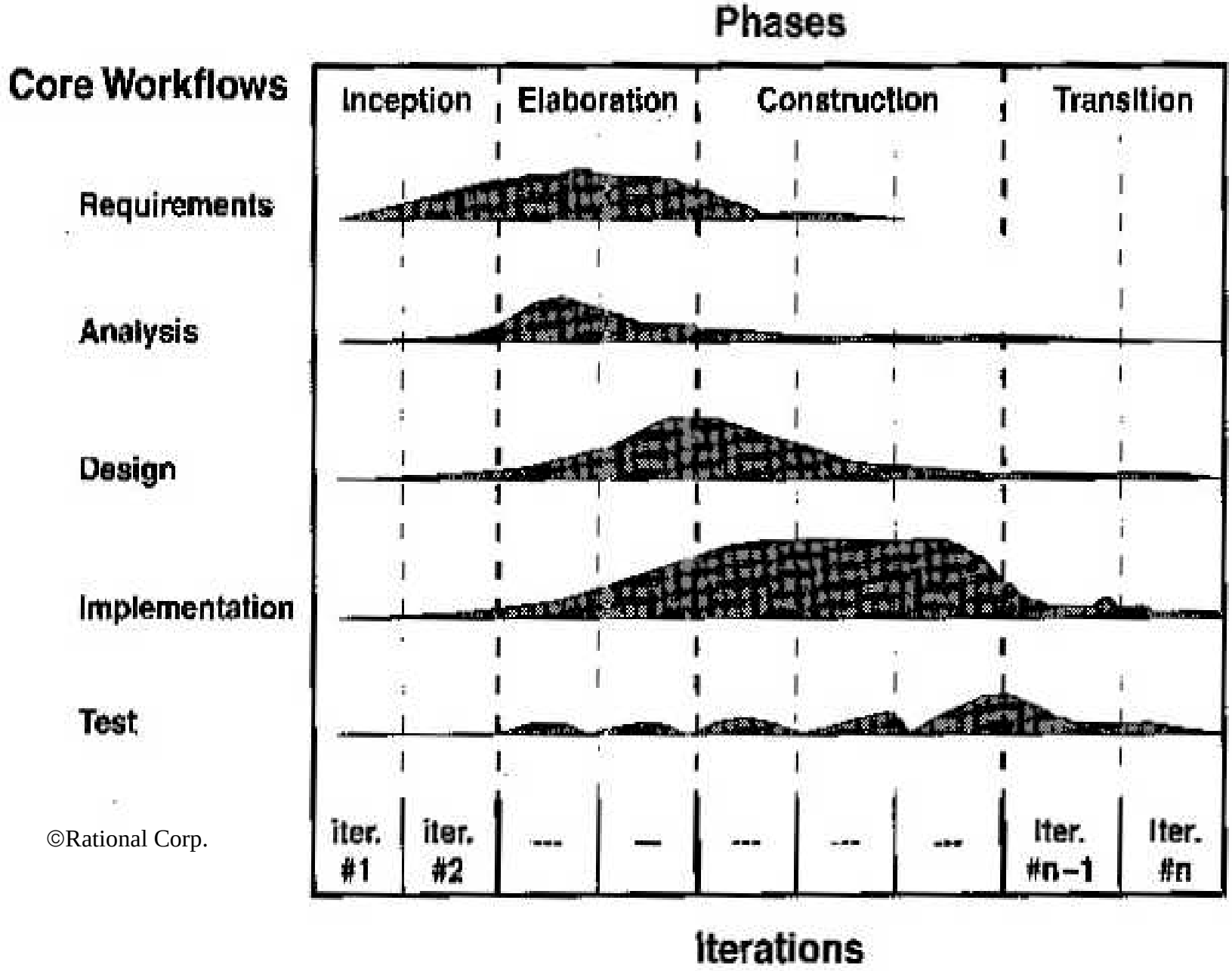


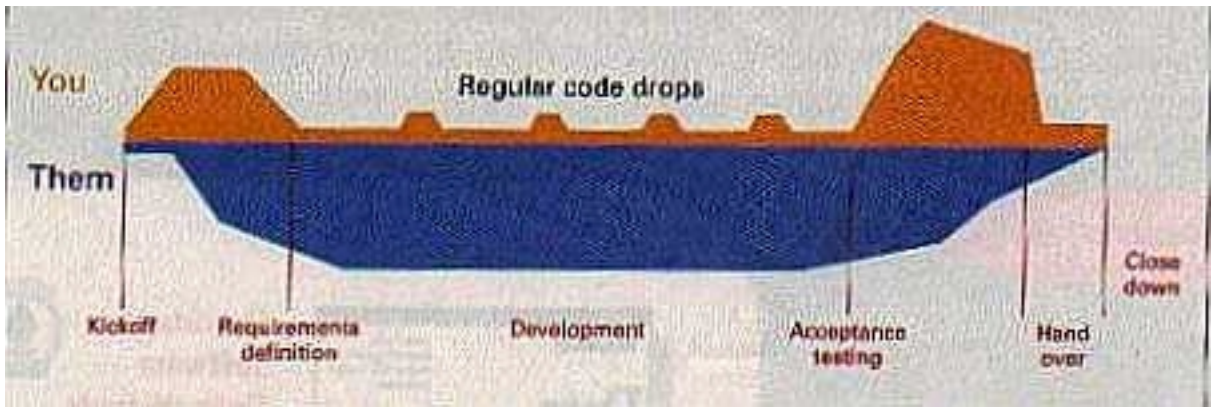
Objectory Information Set Evolution

Engineering Stage	Manufacturing Stage

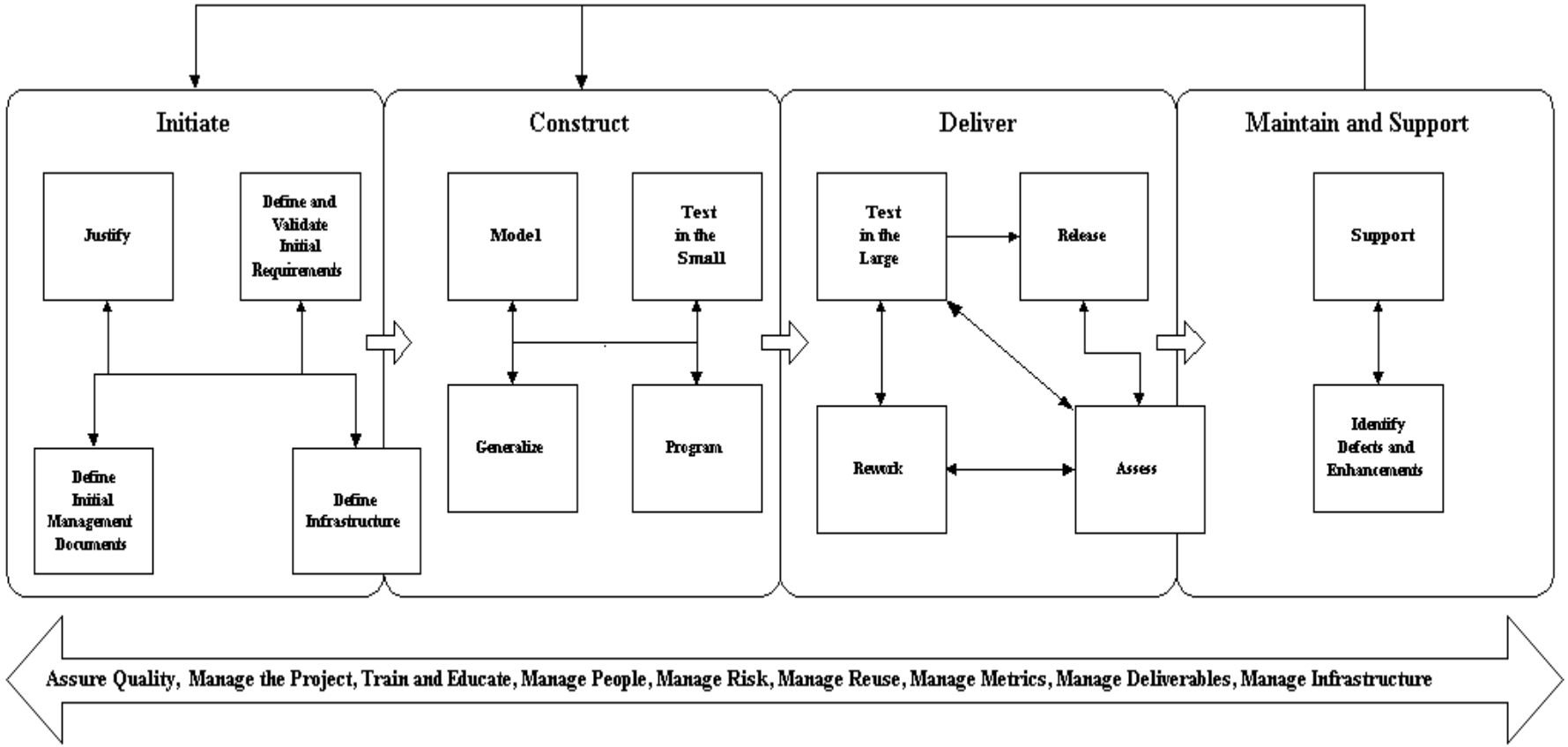
Inception	Elaboration	Construction	Transition
	LCO	LCA	IOC
Feasibility Iterations	Architecture Iterations	Usable Iterations	Product Releases






You
Them
Regular code drops
Kickoff
Requirements definition
Development
Acceptance testing
Hand over
Close down

OO Life-Cycle



"Serial in the large, iterative in the small, delivering incremental releases over time."

SDLC Effort

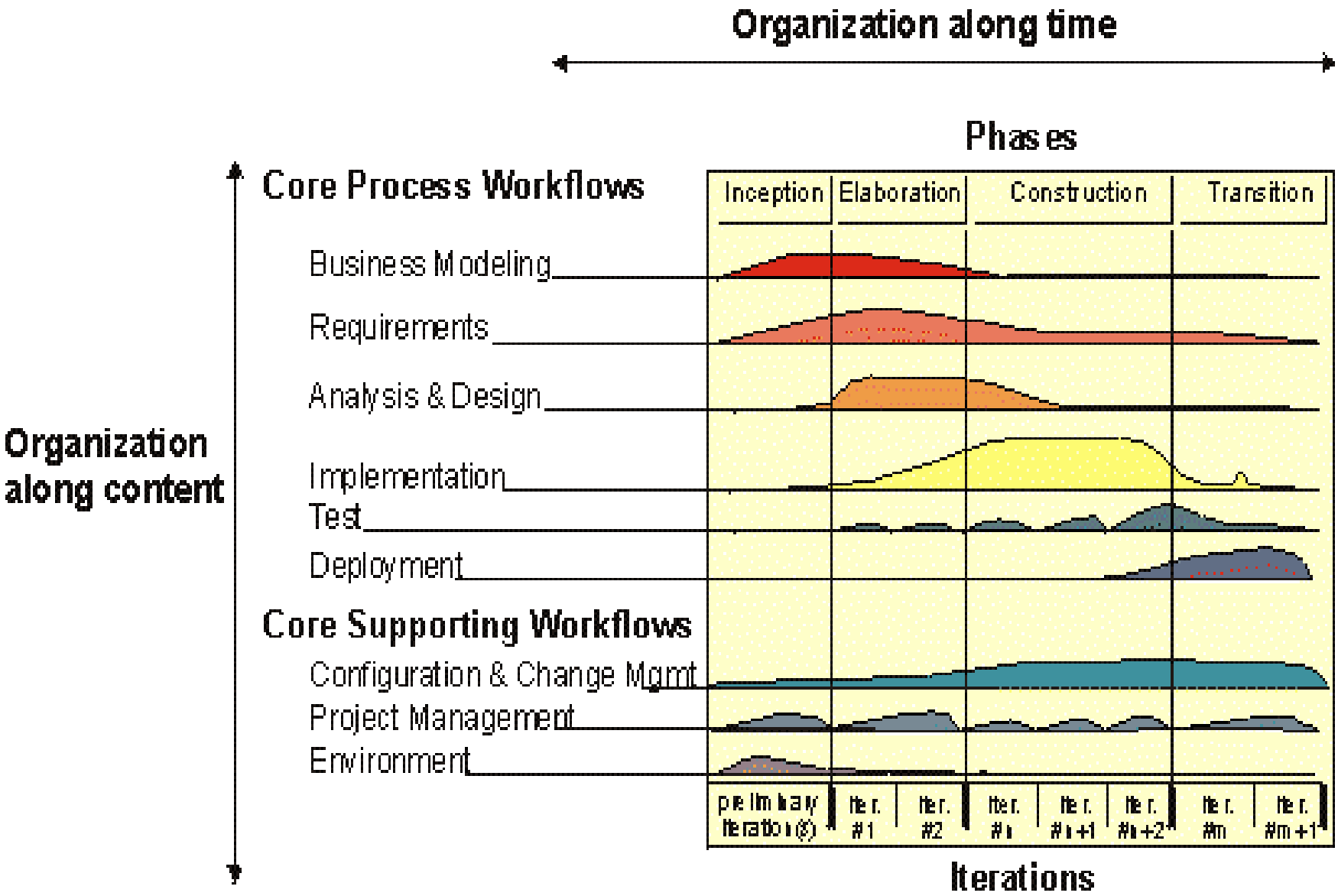
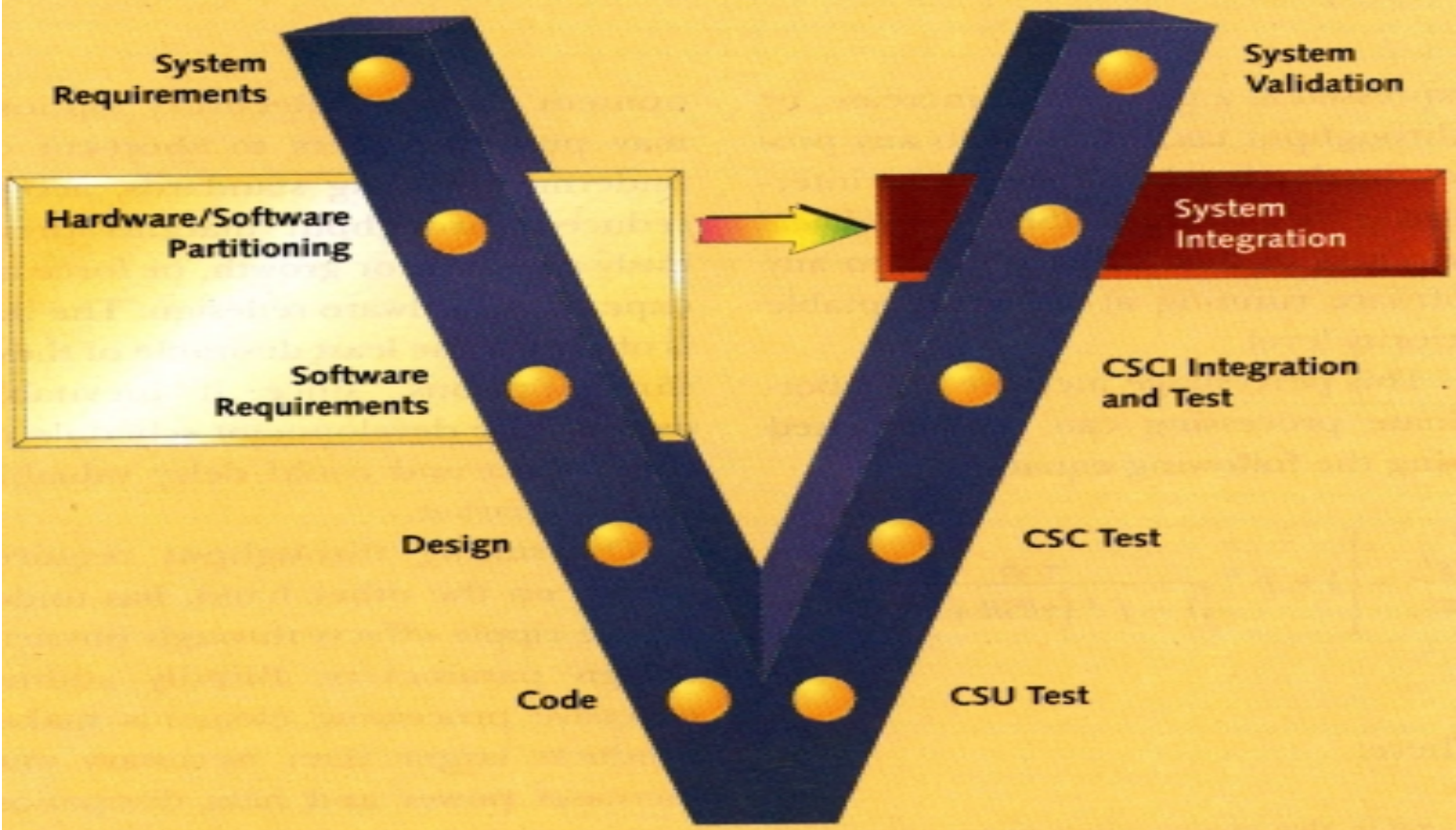

Organization along time
Phases
Core Process Workflows
Inception
Elaboration
Construction
Transition
Business Modeling
Requirements
Analysis & Design
Implementation
Test
Deployment
Core Supporting Workflows
Configuration & Change Mgmt
Project Management
Environment
Organization along content
preliminary iteration(s)
iter. #1
iter. #2
iter. #i
iter. #i+1
iter. #i+2
iter. #m
iter. #m+1
Iterations

FIGURE 1 Correct sizing of processing subsystem resources



Key:

- **CSCI** (computer software configuration item): All software on a processor that executes as a single entity
- **CSC** (computer software component): A subfunction of a CSCI. When all CSCs are integrated together, they comprise a CSCI.
- **CSU** (computer software unit): Lowest level modules in CSCs