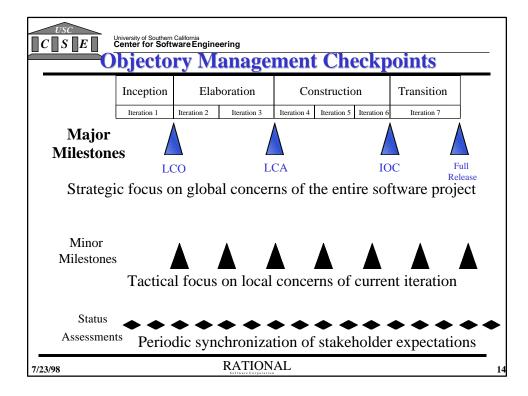
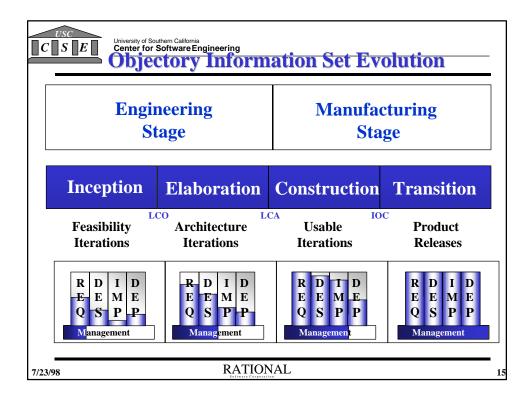
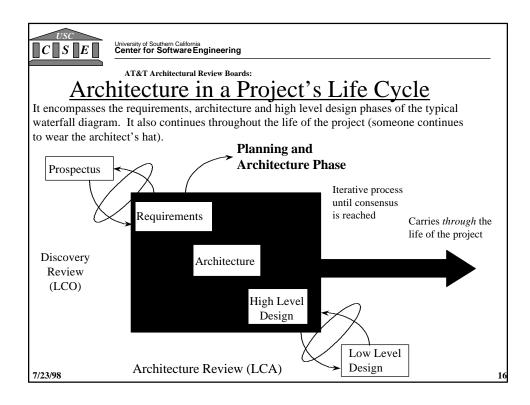
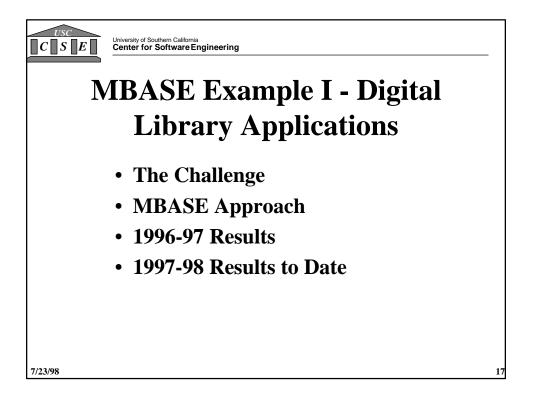


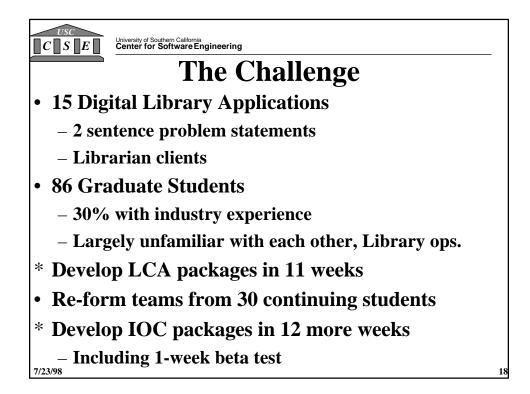
Elements of Critical Front End Milestones (Risk-driven level of detail for each element)							
Milestone Element	Life Cycle Objectives (LCO)	Life Cycle Architecture (LCA)					
Definition of Operational Concept	Top-level system objectives and scope - System boundary Environment parameters and assumptions - Evolution parameters - Operations and maintenance scenarios and parameters - Orranizational life-cycle responsibilities (stakeholders)	Elaboration of system objectives and scope of increm Elaboration of operational concept by increment					
System Prototype(s)	Exercise key usage scenarios Resolve critical risks	 Exercise range of usage scenarios Resolve major outstanding risks 					
Definition of System Requirements	Top-level functions, interfaces, quality attribute levels, including: Growth vectors and priorities Prototypes Stakeholders' concurrence on essentials	Elaboration of functions, interfaces, quality attribute and prototypes by increment - Identification of TBD's((to-be-determined items) - Stakeholders' concurrence on their priority concerns					
Definition of System and Software Architecture	Top-level definition of at least one feasible architecture Physical and logical elements and relationships Choices of COTS and reusable software elements Identification of infeasible architecture options	Choice of architecture and elaboration by increment - Physical and logical components, connectors, configurations, constraints - COTS, reuse choices - Domain-architecture and architectural style choices - Architecture evolution parameters					
Definition of Life- Cycle Plan	Identification of life-cycle stakeholders Users, customers, developers, maintainers, interoperators general public, others Identification of life-cycle process model Top-level stages, increments Yop-level WWWWHH* by stage	Elaboration of WWWWHH* for Initial Operationa Capability (IOC) Partial elaboration, identification of key TBD's for la increments					
Feasibility Rationale	 Assurance of consistency among elements above via analysis, measurement, prototyping, simulation, etc. Business case analysis for requirements, feasible architect 	Assurance of consistency among elements above All major risks resolved or covered by risk manager UTES plan					

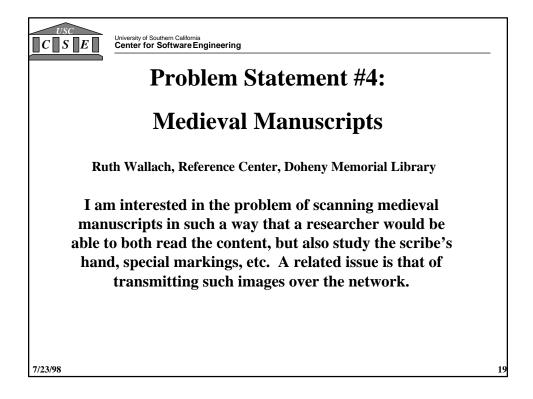




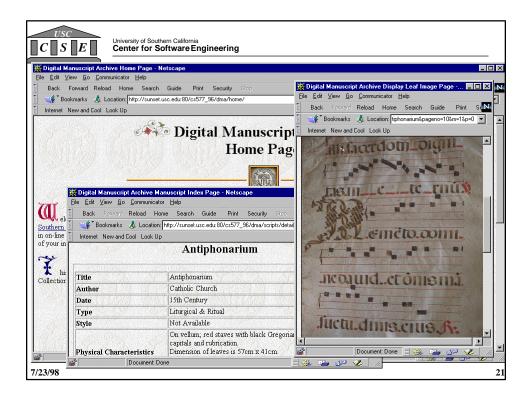


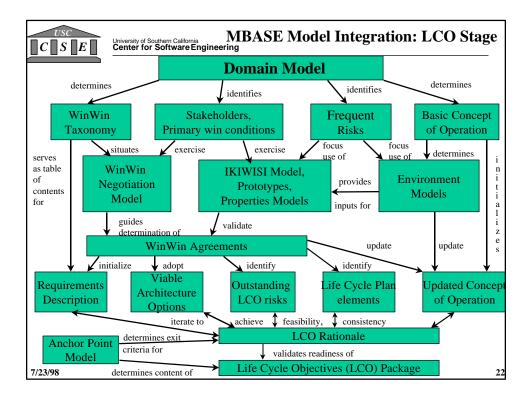


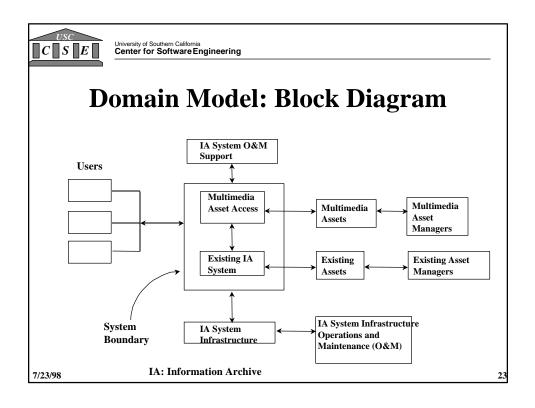




Elem	Rents of Critical Front (Risk-driven level of detail for each	
Milestone Element	Life Cycle Objectives (LCO)	Life Cycle Architecture (LCA)
Definition of Operational Concept	Top-level system objectives and scope - System boundary Environment parameters and assumptions - Evolution parameters - Operations and maintenance scenarios and parameters - Organizational life-cycle responsibilities (stakeholders)	Elaboration of system objectives and scope of increm Elaboration of operational concept by increment
System Prototype(s)	Exercise key usage scenarios Resolve critical risks	 Exercise range of usage scenarios Resolve major outstanding risks
Definition of System Requirements	Top-level functions, interfaces, quality attribute levels, including: Growth vectors and priorities Prototypes Stakeholders' concurrence on essentials	Elaboration of functions, interfaces, quality attribute: and prototypes by increment Identification of TBD's((to-be-determined items) Stakeholders' concurrence on their priority concerns
Definition of System and Software Architecture	Top-level definition of at least one feasible architecture	Choice of architecture and elaboration by increment - Physical and logical components, connectors, configurations, constraints - COTS, reuse choices - Domain-architecture and architectural style choices - Architecture evolution parameters
Definition of Life- Cycle Plan	Identification of life-cycle stakeholders Users, customers, developers, maintainers, interoperators general public, others Identification of life-cycle process model Top-level stages, increments Top-level WWWWWH# by stage	Elaboration of WWWWHH [±] for Initial Operationa Capability (IOC) - Partial elaboration, identification of key TBD's for la increments
Feasibility Rationale	Assurance of consistency among elements above via analysis, measurement, prototyping, simulation, etc. Business case analysis for requirements, feasible architect	Assurance of consistency among elements above All major risks resolved or covered by risk manager







	University of Southern California Center for Software Engineering			
r	WinWin Taxono	ny Ma	pping to	
	Requirements Des	criptio	on Outline	
D	OMAIN TAXONOMY	REQUIREMENTS		
1	Interfaces	5 Int	erface Requirements	
	1.1 Infrastructure (SIRSI, UCS, etc.)			
	1.2 Media providers			
2	Operational Modes	3 Re	quired States and Modes	
	2.1 Classes of Service (research, public)			
	2.2 Training			
	2.3 Graceful Degradation and Recovery	4 Ca	pability Requirements	
3	Capabilities			
	3.1 Media Handled			
	3.2 Media Operations			
	3.3 Help			
	3.4 Administration			
7/23/9	8			24

