Purpose: GM-level briefing on the characteristic stages of reuse

FIVE STAGES OF REUSE MATURITY

8/16/91

	Initial/Chaotic	Monitored	Coordinated	Planned	Ingrained
Character-istics	o Reuse is individualized, uncoordinated, unmonitored,etc. o High reliance on people reuse o Frequent resistance to reuse o Costs of reuse are "feared" o Short-term thinking	o Managerial awareness of reuse activities, but little active promotion of reuse. o Costs of reuse are "known" o Basic definitions of reuse are agreed upon o Reuse is viewed as a set of single-point opportunities o Individual achievements are rewarded. o General-purpose analyzers, CM tools, etc. combined to assess reuse levels.	o Organization responsible for reuse o Product Line domain analyses performed o A key business strategy. o Part of AOP objectives. o Investments made in reuse, payoffs expected. o Reuse tactics worked out. o Payoff of reuse is "known" and understood for a given domain. o Shared understanding of all the activities needed to support reuse. o Standardization on components o Tools customized to support reuse.	o Life cycle view of reuse. All costs associated with a component's development and all savings from its reuse are reported. o Have all the data needed to decide which components to build/acquire. o Synergistic processes are in place to support and encourage reuse. o Reuse occurs across all functional areas	o Corporation-wide view. o A discriminator in business success. o "The way we do business." o Outstanding successes have occurred. o All major obstacles to reuse have been removed. o All definitions, guidelines, standards, command media are in place, enterprise-wide. o Domain analyses performed across all product lines. o Fully integrated with development and reporting systems.
Motivation for advancement to next stage		Recognition of competitive pressures	Technology support becomes available	Multi-year commitment; larger benefits sought; 5-year vision of where to get to	Enhance competitive advantage; build leadership position.
Necessary transitional event		GM demands specific, periodic progress reports	Specific AOP objectives are set	Business planning activity addresses life cycle costing.	Institutionalization and acculturation.

Figure 2.