

PROCESS MODEL DECISION TABLE

OBJECTIVES, CONSTRAINTS			ALTERNATIVES		MODEL	EXAMPLE
Growth Envelope	Understanding of requirement	Robustness	Available Technology	Understanding Architecture		
Limited			COTS		Buy COTS	Simple Inventory Control
Limited			4GL Transform		Transform or Evolutionary Development	Small Business D.P. Application
Limited	Low	Low		Low	Evolving prototype	Advanced pattern recognition
Limited to large	High	High		High	Waterfall	Rebuild of old system
	Low	High			Risk reduction then Waterfall	Complex Situation Assessment
		High		Low		High performance Avionics
Limited to medium	Low	Low to medium		High	Evolutionary development	Data Exploitation
Limited to large			Large reusable components	Medium to high	Capabilities to Requirements	Electronic publishing
Very large		High			Risk reduction and Waterfall	Air Traffic Control
Medium to large	Low	Medium	Partial COTS	Low to medium	Spiral	Software support Environment