

		Interactions	
		Linear	Complex
C o u p l i n g	T i g h t	<p>Centralization for tight coupling</p> <p>CENTRALIZATION compatible with linear interactions (expected, visible).</p> <p>Dams, power grids, ...</p>	<p>CENTRALIZATION to cope with tight coupling (unquestioned obedience, immediate response).</p> <p>DECENTRALIZATION to cope with unplanned interactions of failures (careful slow search by those closest to subsystems).</p> <p>Demands are incompatible.</p> <p>Nuclear plants, weapons; DNA, chemical plants, aircraft, space missions</p>
	L o o s e	<p>CENTRALIZATION or DECENTRALIZATION possible. Few complex interactions. Component failure accidents can be handled from above or below. Tastes of elites and tradition determine structure.</p> <p>Most manufacturing, trade school, single-goal agencies (motor vehicles, post office)</p>	<p>DECENTRALIZATION for complex interactions desirable</p> <p>DECENTRALIZATION for loose coupling desirable (allows people to devise indigenous substitutions and alternative paths) since system accidents possible</p> <p>Mining, R&amp;D firms, multi-goal agencies (welfare, DOE, OMB), universities</p>