Concurrent Design Evaluation Form

Project Title:	Subsystem:
Subsystem Lead Engineer:	
Evaluator:	_Date:

Make comment and recommendations based on:

<u>Manufacturability</u> (What fabrication and assembly processes could this be made from? Could details in design or material selection be changed to improve manufacturing? Are tolerances reasonable? Is the design tolerant of manufacturing variability?)

<u>Inspectability</u> (Are all critical features such as dimensions, material specifications, and internal defects, inspectable to assure they meet the engineering specifications?)

<u>Testability</u> (Can changes be made to improve how the device or component could be tested?)

<u>Economics</u> (What are the main elements that increase the cost? Manufacturing costs, material costs, part costs, etc. Can these be minimized further?)

<u>Serviceability</u> (Can the final product be serviced and maintained easily?)

<u>Customer satisfaction</u> (Will the design perform as desired? Will it not fail prematurely? Will the customer be happy with the end product?)

<u>Failure modes</u> (Have all modes of failure been identified and addressed properly? Fatigue, corrosion, manufacturing flaws, unanticipated loading, thermal effects, material degradation, residual stress, etc.)

Other (Are there any changes to be made to improve any thing else?)