

Test Systems Design: A Systems Engineering Approach, Part 1 introduces a disciplined method to designing systems for the functional testing of complex products in a production environment. Test systems can be viewed as a system of subsystems, each providing an important facet of the whole. Varying the rigor of design in large vs. small systems will be suggested. The integration of basic project management and system engineering methods will be discussed. Methods for pre-design and project planning will be outlined. An overview of each subsystem will be presented.