

Test Hazard Analysis Worksheet						
Test Title: Longitudinal Static Stability and Flight Path Stability	Hazard Category catastrophic critical marginal negligible	Subjective Probability of Occurrence high probable uncertain remote improbable				
Aircraft/System:						
		High	Medium			XXXX
					Low	
Hazard: Exceeding an aircraft limit						
Cause: Attempting to gather data while inadvertently: 1) Exceeding V_{no} in turbulence or exceeding V_{ne} at any time; exceeding gear and flap speeds 2) Flying aircraft below stall speed						
Effect: 1) Structural damage to wing, landing gear, or flaps 2) Aircraft impacts ground/aircraft destroyed/damaged/crew death/injury						
Minimizing Procedures: 1) All appropriate airspeeds (V_{no} , V_{ne} , V_{fo} , V_{lg} , V_{s0} , V_{s1}) will be briefed/reviewed by crewmembers and adhered to. 2) High and low speed data points will be reviewed and correlated to the appropriate high or low speed aircraft limits 3) Maintain 10% stall buffer and a 5 knot configuration limit buffer at all times. 4) No test points below stall warning.						
Emergency Procedures: - Decelerate to below V_{no} or V_{ne} in 1-g flight - Initiate stall recovery procedures						
Risk Level (after minimizing procedures taken into account): High ____ Medium ____ Low <u>X</u>						