

| Test Hazard Analysis Worksheet | | | | | |
|---|---|------|--------|-----|--|
| Test Title: Lateral Directional Static Stability | Hazard Category Subjective Probability of Occurrence high probable uncertain remote improbable | | | | |
| Aircraft/System: | catastrophic | | | | |
| | critical | High | | | |
| | marginal | | Medium | | |
| | negligible | | | Low | |
| Hazard: 1) Aircraft departs controlled flight 2) Aircraft exceed structural limits | | | | | |
| Cause: 1) Improper control input 2) Mechanical failure of control system component | | | | | |
| Effect: 1) Loss of aircraft 2) Loss of flightcrew 3) Structural damage to aircraft | | | | | |
| Minimizing Procedures: 1) Smoothly apply incremental control inputs 2) Watch for control force lightening 3) Terminate test if aircraft response is different than predicted 4) Min altitude restriction of 2000 feet AGL or higher 5) Do not use full deflection rudder or ailerons at speeds greater than 20 kts below V_a 6) Use constant aircraft attitude to maintain airspeed control | | | | | |
| Emergency Procedures: 1) Initiate stall/unusual attitude recovery procedures 2) Abandon aircraft if unable to regain control (if applicable) 3) Reduce airspeed to minimum practical (below V_a) and return for landing 4) Do not change aircraft configuration if evidence of structural damage exists | | | | | |
| Risk Level (after minimizing procedures taken into account): High ____ Medium ____ Low <u> X </u> | | | | | |