

Test Hazard Analysis Worksheet																																								
Test Title: <p style="text-align: center;">Engine Out</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 15%; text-align: left; padding: 5px;">Hazard Category</th> <th colspan="5" style="text-align: center; padding: 5px;">Subjective Probability of Occurrence</th> </tr> <tr> <th style="text-align: center; padding: 5px;">high</th> <th style="text-align: center; padding: 5px;">probable</th> <th style="text-align: center; padding: 5px;">uncertain</th> <th style="text-align: center; padding: 5px;">remote</th> <th style="text-align: center; padding: 5px;">improbable</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">catastrophic</td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td></td> <td></td> </tr> <tr> <td style="padding: 5px;">critical</td> <td style="background-color: #cccccc; text-align: center; font-weight: bold;">High</td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td></td> <td></td> </tr> <tr> <td style="padding: 5px;">marginal</td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td></td> </tr> <tr> <td style="padding: 5px;">negligible</td> <td></td> <td></td> <td></td> <td style="text-align: center; font-weight: bold;">Low</td> <td></td> </tr> </tbody> </table>					Hazard Category	Subjective Probability of Occurrence					high	probable	uncertain	remote	improbable	catastrophic						critical	High					marginal						negligible				Low	
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Hazard: Aircraft impacts ground																																								
Cause: Loss of aircraft control																																								
Effect: Loss of aircraft and crew																																								
Minimizing Procedures: 1. No $V_{mca}$ testing below stall warning or power off stall speed, whichever is higher 2. Entry altitude should be a minimum of 2000 ft AGL (B-35 4000 ft AGL, turboprop/jet 5000 ft AGL)																																								
Emergency Procedures: If aircraft starts to depart controlled flight, immediately retard both throttles to idle and recover aircraft.																																								
Risk Level (after minimizing procedures taken into account):  High ___    Medium ___    Low <u> X </u>																																								

Test Hazard Analysis Worksheet						
Test Title: Engine Out	<b>Hazard Category</b> catastrophic critical marginal negligible	<b>Subjective Probability of Occurrence</b> high      probable      uncertain      remote      improbable				
Aircraft/System:		high	probable	uncertain	remote	improbable
		High		Medium		
				Medium		
					LOW	
Hazard: Aircraft forced to make single engine landing						
Cause: Loss of power from one engine						
Effect: Increased risk and workload.						
Minimizing Procedures: 1. Monitor engine temperature (CHT, EGT, Oil temp) of operating engine. If applicable, alternate engines on different test points to balance the time at high power/low speed. 2. Inoperative engine will be at idle power or zero thrust setting as required. No actual engine shutdown will take place. 3. If engine is operated at idle for greater than 30 seconds, clear the engine.						
Emergency Procedures: If aircraft starts to depart controlled flight, immediately retard both throttles to idle and centralize controls.						
Risk Level (after minimizing procedures taken into account): High ____    Medium ____    Low <u>X</u>						