

Test Hazard Analysis Worksheet						
Test Title: Engine Out Drag Polar	Hazard Category catastrophic critical marginal negligible	Subjective Probability of Occurrence high probable uncertain remote improbable				
Aircraft/System: B-76 or other twin						
		High		Medium		
					Low	
Hazard: Loss of good engine						
Cause: 1. Improper pilot action 2. Engine failure						
Effect: Damage to aircraft Loss of aircraft/off field landing						
Minimizing Procedures: 1. (1) Coordinate shut down actions between student pilot and IP. 2. (2) Ensure checklist procedures are adhered to so as to not damage the "good engine" 3. (1&2) Perform the tests within gliding distance of a suitable landing field to enable a flame out landing, if necessary. 4. (1&2) Review restart procedures prior to flight. 5. Make sure the operating engine is well within temperature limits prior to shutting the other engine down. 6. Ensure the fuel quantity in tank feeding the good engine is greater than 50% full to allow for slosh.						
Emergency Procedures: 1. (1) Perform restart procedure. 2. (2) If first step fails, lower gear and land.						
Risk Level (after minimizing procedures taken into account): High ____ Medium ____ Low <u> X </u>						

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Test Title: <p style="text-align: center;">Engine Out Drag Polar</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 10%; padding: 5px;">Hazard Category</th> <th colspan="5" style="padding: 5px;">Subjective Probability of Occurrence</th> </tr> <tr> <th style="padding: 5px;">high</th> <th style="padding: 5px;">probable</th> <th style="padding: 5px;">uncertain</th> <th style="padding: 5px;">remote</th> <th style="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; vertical-align: middle;">High</td> <td></td> <td style="background-color: #cccccc; text-align: center; vertical-align: middle;">Medium</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></td> <td></td> <td></td> </tr> <tr> <td style="padding: 5px;">negligible</td> <td></td> <td></td> <td></td> <td style="background-color: #cccccc; text-align: center; vertical-align: middle;">Low</td> <td></td> </tr> </tbody> </table>					Hazard Category	Subjective Probability of Occurrence					high	probable	uncertain	remote	improbable	catastrophic						critical	High		Medium			marginal						negligible				Low	
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Effect: <p style="text-align: center;">Loss of aircraft/death</p>																																								
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