

SMS RISK ANALYSIS WORKSHEET (S-RAWS)

Date (mm/dd/yyyy):	Organization:	
Supervisor Name:	Supervisor Email:	Supervisor Phone Number:
Reason for S-RAWS: ☐ Incident ☐ Hazard Report ☐ Other ☐ Direct Safety Violation ☐ Unsafe Condition Violation	SMS Event ID	Citation/Incident # (if applicable)
Description of Incident, Violation, Project, etc.:		

Step 1: DESCRIBE THE SYSTEM *The system description depicts the operating environment in which the hazard(s) exist. Helpful tools to help the supervisor complete this portion can be found in section III.B of the SMS Manual, e.g. 5M Model, Fishbone Diagram, 5 Why's Technique, etc. Attach plain white paper if more space is required.*

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Step 2: IDENTIFY THE HAZARD(S) *What hazard(s) contributed to this incident and/or condition? When identifying hazards, all possible sources of system failure should be considered. Examples may include equipment, operating environment, experience, training, procedures, etc. Attach plain white paper if more space is required.*

	Severity	Likelihood	RISK <i>Complete Step 4 to assign risk levels to each hazard.</i>
1.			☐ L ☐ M ☐ H
2.			☐ L ☐ M ☐ H
3.			☐ L ☐ M ☐ H

Step 3: ANALYZE THE RISK OF IDENTIFIED HAZARDS *Analyze the risk associated with each hazard identified in Step 2. For each hazard, the supervisor should consider the worst credible outcome (harm), which is the most unfavorable condition that is believable and possible given the system state described in Step 1.*

Step 3a: Severity *Determine the worst credible outcome as result of each identified hazard.*

5. Negligible	4. Minor	3. Major	2. Hazardous	1. Catastrophic
No first aid required injury/illness; no lost work time; none to very limited operational impact (less than 1 hour); none to minimal equipment loss (less than 1 day out of service); no environmental impact; none to minimal budget impact	Injury/illness (first aid required); little to no lost work time (less than 2 days); none to very limited operational impact (less than 4 hours); none to minimal equipment loss (less than 2 days out of service); contained with none to limited impact to environment; minimal budget impact	Injury/illness (1 to 5 persons); death (less than 2 persons); lost work time (less than 1 week); loss of total operations (less than 2 hours); loss of partial operations (less than 1 day); equipment loss (less than 1 week); non-contained (manageable/ mitigated within 1 day); moderate budget impact	Injury/illness (6 to 49 persons); death (less than 5 persons); lost work time (1 week to 1 month); loss of total operation (2 to 12 hours); partial loss of operation (48 hours or less); equipment loss (less than 30 days); non-contained, resulting in environmental impact (1 to 30 day); serious budget impact	Injury/illness (greater than 50 persons); death (greater than 5 persons); lost work time (greater than 1 month); loss of total operation (greater than 12 hours); loss of partial operations (greater than 48 hours); total loss of equipment; non-contained resulting in long-term environmental impact (greater than 30 days); grave budget impact

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Step 3b: Likelihood <i>Determine the most reasonable likelihood the outcome (harm) identified in Step 3a would occur.</i>				
E. Extremely Improbable	D. Extremely Remote	C. Remote	B. Probable	A. Frequent
Almost impossible; possibly only once in 10 to 100 years	Conceivable but highly unlikely; possibly once in every 5 to less than 10 years	Possibly once a year or multiple times from 1 year to less than 5 years; unlikely but possible to occur	Likely to occur multiple times per year or once per month; regularly expected to occur in the system	Likely to occur once a day or multiple times per week; continuously expected to occur in the system

Step 4: ASSESS THE LEVEL OF RISK <i>Using Risk Matrix and determinations made in Steps 3a and 3b, assign risk levels to each hazard identified in Step 2.</i>									
Severity Likelihood	Minimal 5	Minor 4	Major 3	Hazardous 2	Catastrophic 1				
Frequent A						<table border="1" style="margin: auto; border-collapse: collapse;"> <tr><td style="background-color: red; color: white; padding: 5px;">High Risk</td></tr> <tr><td style="background-color: yellow; color: black; padding: 5px;">Medium Risk</td></tr> <tr><td style="background-color: green; color: white; padding: 5px;">Low Risk</td></tr> </table>	High Risk	Medium Risk	Low Risk
High Risk									
Medium Risk									
Low Risk									
Probable B									
Remote C									
Extremely Remote D									
Extremely Improbable E					*				
* Unacceptable with Single Point and/or Common Cause Failures									

Step 5: MITIGATE RISKS <i>Identify measures taken by supervisor and/or organization to eliminate hazard(s) identified in Step 2 and/or reduce the risk levels of hazard(s) to Medium or Low Risk. If presenting no mitigation(s), write "N/A". Attach plain white paper if more space is required.</i>	Residual Risk (L,M,H)
1. 2. 3.	
☐ Some or all hazards identified in Step 2 are outside of the organization's span of control. Assistance is required with mitigation measures.	

Supervisor Signature:			
SMS Reviewer:	Date Reviewed (mm/dd/yyyy):	SMS Review: ☐ Accepted ☐ Resubmit	SRMP Required?: ☐ Yes ☐ No Date:
SMS Signature:	Mitigation Periodic Review Required? ☐ Yes ☐ No	Next Review Due (mm/dd/yyyy):	

Email completed form to sms@lasairport.com within 30 calendar days of incident and/or discovery of condition