



Hazard Log and Risk Assessment (RA)

When completing the RA overleaf it is important to follow the guidance in the “Safety Risk Management” section of the SMS document when defining risk levels and the tables are repeated below.

It is also important to assess the Identified hazard with regard to the risk to various stakeholders and so the following codes are to be used when defining the “Associated Risk” in the RA:

Code	Stakeholder
A	Air Racers and Officials (people under the control of the 3Rs)
B	Involved 3 rd Parties (people under the control of the airfield) eg air race spectators and visiting pilots
C	Uninvolved 3 rd parties (people and aircraft outside control of the airfield or 3Rs) eg people living under the race course

SEVERITY OF CONSEQUENCES		
Aviation definition	Meaning	Value
Catastrophic	Results in an accident, death or equipment destroyed	5
Hazardous	Serious injury or major equipment damage	4
Major	Serious incident or injury	3
Minor	Results in a minor incident	2
Negligible	Nuisance of little consequence	1

Table 1. Severity of Consequences

LIKELIHOOD OF OCCURRENCE		
Qualitative definition	Meaning	Value
Frequent	Likely to occur many times (has occurred frequently)	5
Occasional	Likely to occur sometimes (has occurred infrequently)	4
Remote	Unlikely to occur but possible (has occurred rarely)	3
Improbable	Very unlikely to occur (not known to have occurred)	2
Extremely improbable	Almost inconceivable that the event will occur	1

Table 2. Likelihood of Occurrence

Risk Likelihood	Risk Severity				
	Catastrophic 5	Hazardous 4	Major 3	Minor 2	Negligible 1
Frequent 5	Unacceptable	Unacceptable	Unacceptable	Review	Review
Occasional 4	Unacceptable	Unacceptable	Review	Review	Review
Remote 3	Unacceptable	Review	Review	Review	Acceptable
Improbable 2	Review	Review	Review	Acceptable	Acceptable
Extremely improbable 1	Review	Acceptable	Acceptable	Acceptable	Acceptable

Table 3. Calculated Risk.



Hazard Log and Risk Assessment (RA) Form

Date		Assessment Risk Triggered By	New Race Venue / Race Venue Review/ Air Safety Report/Safety Report (select and see note)			
Race Venue						
Venue Owner						
RA Participants (Experience)						
Reviewed by	Normally SMS Manager					
Date Reviewed						
Identified Hazard (See note)	Associated Risk (Consequence) and Stakeholder Code (s)	Existing Mitigation Measures in place	Current Level of Risk And Scores	Further Mitigation Measures	Revised Level of Risk	Action by and when
			Severity - Likelihood – Risk: Unacceptable Review Acceptable		Severity - Likelihood – Risk: Unacceptable Review Acceptable	
Notes: Continue on separate sheet if required and if a Race Venue RA has no new hazards report “Nil”. Once completed send to the SMS Manager who will: review and update the General Risk Register, or Race Venue Register, in the printed and electronic SMS folders and publicise General Risks to racers						