

BRITISH FUN FLY ASSOCIATION
RISK ASSESSMENT

Organisation name: British Fun Fly Association – BFFA
 Assessed by: Gavin Barden - TechIOSH
 Assessment Date: 3rd November 2020
 Assessment Review: 3rd November 2021

What are the hazards?	Who might be harmed and how?	Risk before control measures LxC	Control Measures	Risk after control measures	Additional Controls	References
Being hit by a model aircraft during normal operation	Pilot, Helper, Judges and Spectators	3 x 4 12	<p>All pilots must have a helper to identify any risks when the pilot is flying i.e. people on the runway, other models etc.</p> <p>Judges remain behind the pilot at all times. Where the event does not require close scrutiny of a scoring system they remain at least 10m from the take-off landing zone.</p> <p>All persons on the flight line wear a hardhat</p> <p>All judges and marshals wear clean hi-viz jackets.</p> <p>The number of judges is limited to the minimum required to record the activity in each task i.e time keeper, counter etc. No other persons are allowed on the flight line unless agreed by the CD.</p> <p>A trimming session is permitted each competition day to ensure the model is trimmed.</p> <p>The pilot must remain between the model and spectators/judges i.e not flying behind themselves.</p> <p>The flight line is set to distances within the BMFA guidelines where possible. If a pilot breaches the set distances they will be warned by the judges and asked to return to the fly zone. Constant breaches will lead to the pilot being asked to land.</p> <p>A First Aider must be on hand at all competitions. As part of the planning stage for an competition the site co-ordinates (GPS) will be obtained and available should emergency services be required.</p>	2 x 3 6		BMFA Handbook
Being hit by a model aircraft which has lost signal	Pilot, Helper, Judges and Spectators	3 x 4 12	<p>All models/radio systems must have an active fail-safe function that will reduce the throttle to idle.</p> <p>The CD/Judges carry out checks to each model on the first day of the competition.</p>	2 x 3 6		

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			All RC equipment is checked at the beginning of the competition to ensure it is CE marked.			
Unairworthy Airframe	Pilot, Helper, Judges and Spectators	3 x 3 9	<p>All models must be of an airworthy condition. It is the pilot's responsibility to check the airframe before each flight, although spot checks can be completed at the CD's discretion.</p> <p>If the CD has concerns regarding the condition of a model, they may ground the model and seek further assurance.</p> <p>Any model that suffers from a mid-air collision or part leaving the aircraft during the flight must be grounded immediately.</p>	3 x 2 6		
Propeller causing lacerations to body on start up	Pilot, Helper, Judges and Spectators	3 x 4 12	<p>All pilots have a helper to restrain the model during the start-up sequence. The helper remains holding the model until on the flight line and the flight is about to begin.</p> <p>Models are faced away from the spectator line or others within the pits area.</p> <p>Members of the Fun Fly team are on constant alert for members of the public entering the flying zone.</p>	2 x 2 6		
Public walking into the flying area.	Public/Spectators	4 x 4 16	Air horns are used to alert people crossing into the fly zone and they are asked to leave immediately. Where the member of the public does not comply the CD/Judges are informed, and the task is halted.	1 x 4 4		
Pilots using the same TX frequency.	Pilot, Helper, Judges and Spectators	4 x 3 12	Where 35mhz is to be used a peg system is employed to reduce the risk of two pilots using the same channel.	1x3 3		
Weather Conditions	Pilot, Helper, Judges and Spectators	4 x 3 12	<p>A briefing is issued at the beginning of each task to discuss worsening weather conditions. All pilots, whatever the conditions, are reminded not to fly beyond their own limits.</p> <p>Where the weather is worsening the CD will make a judgement on whether to carry on.</p> <p>The BMFA guideline will be followed and where the weather is outside of these parameters flying is stopped.</p>	4 x 1 4		BMFA Handbook

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			All pilots are reminded to fly within their own limits and not to take un-necessary risks.			
Pilot Disorientation due to distance	Public/Spectators	4 x 3 12	The CD will set out no fly zones and also confirm to the pilot where the maximum permissible distance the model can be flown in certain events. This is to ensure all competitors understand the constraints of a discipline. This will be completed primarily to prevent models being flown too far away from the pilot.	4 x 2 8		
Unfamiliar flying Site	Pilot, Helper, Judges and Spectators	4 x 3 12	A briefing is given daily where the site limits are explained to the pilots and helpers.	4 x 2 8	Where there may be changing risks the CD will confirm at the point of the flight and complete a dynamic Risk Assessment if required	

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		Consequence				
		Negligible 1	Minor 2	Moderate 3	Major 4	Catastrophic 5
Likelihood	5 Almost certain	Moderate 5	High 10	Extreme 15	Extreme 20	Extreme 25
	4 Likely	Moderate 4	High 8	High 12	Extreme 16	Extreme 20
	3 Possible	Low 3	Moderate 6	High 9	High 12	Extreme 15
	2 Unlikely	Low 2	Moderate 4	Moderate 6	High 8	High 10
	1 Rare	Low 1	Low 2	Low 3	Moderate 4	Moderate 5