

# Pontefract and District Aeromodellers

## RISK ASSESSMENT

### **PANDAS CLUB BACKGROUND**

Model aircraft have been flown in Pontefract Park since the Second World War. PANDA's model club have been using the park as their official flying site since its formation in 1974. During the club's history there have been no reports of any members of the public being injured or damage to property that can be attributed to a constitution and set of rules which have been reviewed and revised as appropriate on an annual basis.

The rules set out have been developed with guidance from the British Model Flying Association (BMFA) and their additional safety bulletins and the club's own recognition to address safety concerns to its members, neighbours, and other users of the park facilities.

### **SECTION 1**

### **CLUB DETAILS**

|                                                              |                                              |                                       |
|--------------------------------------------------------------|----------------------------------------------|---------------------------------------|
| Name of model club                                           | Pontefract & District Aeromodellers (PANDAS) |                                       |
| Location of flying site                                      | Pontefract Park, Pontefract, West Yorkshire  |                                       |
| Owner of site                                                | Wakefield Metropolitan District Council      |                                       |
| BMFA club number                                             | 0193                                         | Date of assessment: 10th January 2026 |
| Assessors name 1                                             |                                              |                                       |
| Position in club                                             | Chairman<br>Martin Lynn                      | Signature: Electronically Signed.     |
| Assessors name 2                                             |                                              |                                       |
| Position in club                                             | Secretary<br>Terry Lee                       | Signature: Electronically Signed.     |
| Assessors name 3                                             |                                              |                                       |
| Position in club                                             | Committee Member<br>Christopher Dean         | Signature: Electronically Signed.     |
| Risk assessment checked and authorised by club committee on: | 20th January 2026                            |                                       |
| Submitted to Wakefield Metropolitan District Council on:     | 22nd January 2026                            |                                       |
| Review of assessment due on:                                 | January 2027                                 |                                       |
| Number of pages included in this risk assessment             | 16                                           |                                       |

THIS RA SHOULD BE REVIEWED ANUALLY UNLESS CIRCUMSTANCES CHANGE

### **SECTION 2**

### **SUBJECTS ASSESSED**

The operation of radio controlled and control line model aircraft only at the site specified above.  
The operation of model yachts and low powered model boats on allocated section of the boating lake.  
Effects on PANDAS by none club members flying model aircraft in Pontefract Park.

### **SECTION 3**

### **PERSONS AT RISK (Indicate YES / NO)**

|                    |                              |                       |                              |       |                              |
|--------------------|------------------------------|-----------------------|------------------------------|-------|------------------------------|
| Model club members | <input type="checkbox"/> YES | Members of the public | <input type="checkbox"/> YES | Other | <input type="checkbox"/> YES |
|--------------------|------------------------------|-----------------------|------------------------------|-------|------------------------------|

Specify here a response to "Others": Drivers of vehicles. Persons in full size aircraft. Animals.

## **SECTION 4**

## **REFERENCES**

Pages 3 to 5 cover specific safety requirements of PANDAS the BMFA and Civil Aviation Authority.

## **SECTION 5**

## **GLOSSARY of TERMS**

Pages 6 and 7 explains in more detail specific terminology used.

## **SECTION 6**

## **RISK ASSESSMENT**

Pages 8 to 17 cover the actual assessments that has been carried out in accordance with the pamphlet "Five Steps to Risk Assessment" published by the Health and Safety Executive. Risks in **SECTION 6** have been assessed by considering the **Potential Severity** of each hazard with the **Likelihood of its Occurrence** and **Risk Rated** in to three categories **Low, Medium or High**

## SECTION 4 REFERENCES

| Item                                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pontefract and District Aero Modellers (PANDAS)        | See background section on previous page and club 2025 constitution and rules attached to this Risk Assessment.<br><a href="http://pandas.bmfa.org/">http://pandas.bmfa.org/</a>                                                                                                                                                                                                                                                 |
| Health and Safety Executive 5 Steps to Risk Assessment | This Risk Assessment has been carried out in accordance with the pamphlet “Five Steps to Risk Assessment” published by the Health and Safety Executive. <a href="http://www.hse.gov.uk">www.hse.gov.uk</a>                                                                                                                                                                                                                      |
| British Model Flying Association (BMFA)                | British Model flying Association (SMAE Ltd) Buckminster.<br>Telephone: 0116 244 0028, Fax: 0116 244 0645, e-mail <a href="mailto:admin@bmfa.org">admin@bmfa.org</a> , Website: <a href="http://www.bmfa.org">www.bmfa.org</a><br><br>The BMFA handbook is available online at <a href="http://www.bmfa.org">www.bmfa.org</a>                                                                                                    |
| BMFA Achievement Scheme                                | The main aim of the R/C achievement schemes is to encourage model flyers to reach a given standard of flying ability and safety and to prove that standard to a club / BMFA examiner. There are two main grades as described below.                                                                                                                                                                                             |
| ‘BPC or A’ Certificate                                 | The ‘A’ certificate equates to a ‘safe solo’ standard of flying.                                                                                                                                                                                                                                                                                                                                                                |
| ‘B’ Certificate                                        | The ‘B’ certificate which is designed to recognise the pilots more advanced ability and a demonstrated level of safety which may be considered by an event organiser as suitable for flying at a public display.                                                                                                                                                                                                                |
| Large Model Association (LMA)                          | This UK organisation was set up to support and give guidance on large model flying. Large aircraft being greater than 7.5 kg and special consideration for model aircraft in excess of 25 kg. The LMA act on behalf of the CAA with the inspection of design, planning, building and flying of large model aircraft.<br><br>Further details at <a href="http://www.largemodelassociation.com">www.largemodelassociation.com</a> |

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|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Civil Aviation Authority<br/>(CAP 722)</p>                | <p>On 31<sup>st</sup> December 2020, new legislation was introduced relating to the flying of unmanned aircraft. This legislation is encompassed within a Civil Aviation Authority (CAA) document named CAP 722. Within this legal document is the facility for model flying clubs, flying under the umbrella of a CAA recognised model flying association, to exempt themselves from some of the new legislation. This exemption is named Article 16 and includes specific rules that must be followed for both safety and legal compliance. One of the recognised associations is The British Model Flying Association (BMFA). All PANDAS members must be a member of the BMFA and the club is a BMFA affiliated club. The club will conduct their business under the Article 16 legislation. The Article 16 authorisation requires members to hold a CAA Operator number &amp; CAA Flyer ID number (there are 1 or 2 exemptions). The PANDAS committee make regular checks to ensure as far as possible that the club members comply with this requirement. The BMFA membership also provides important 3<sup>rd</sup> party insurance cover for its members and insurance cover for the club committee and officials.</p>                                                                                           |
| <p>Air Navigation Order 2016<br/>(ANO) &amp; Article 16.</p> | <p><b><u>Article 240 of the Air Navigation Order states</u></b></p> <p>‘A person shall not recklessly or negligently act in a manner likely to endanger an aircraft, or any person therein’.</p> <p><b><u>Article 241 of the Air Navigation Order states</u></b></p> <p>‘A person shall not recklessly or negligently cause or permit an aircraft to endanger a person or property’.</p> <p>CAA exemption under Article 16 of CAP 722, allows members of the BMFA, to fly aircraft with a maximum take-off mass (MTOM) under 7.5 Kg at heights of more than 400 feet. This exemption excludes any rotorcraft with more than 2 lift generating rotor or propeller.</p> <p>The PANDAS flying site hold a BMFA flying site permit issued under the Article 16 Authorisation, which allows aircraft with a MTOM over 7.5 Kg and under 25.00 Kg to fly up to 1500 feet. There is also a ‘Notice to Air Missions’ in place.</p> <p><b><u>CAA Operator Number</u></b></p> <p>This is a number you have to pay for and display on your aircraft. It is basically an identification number and lasts for 12 months.</p> <p><b><u>CAA Flyer ID Number</u></b></p> <p>You obtain this number by passing an online test to make sure you understand the basic rules that we fly under. The tests are free and last for 5 years.</p> |

| Item                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flight Line         | This is a line usually marked with flags, painted lines, cones or tape, and is the location on the flying area for which pilots control their aircraft whilst in flight. The flight line whilst physically marked for example 30 metres should actually be considered infinite in length at both ends of the line. All model flying must be flown in front of the flight line with the pits / spectators always behind the flight line.                                                                                                                                                                                                                           |
| Pits                | An area designated to park aircraft not in use, this area is safe for spectators to view aircraft and walk round.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Start-up box / area | Used for starting engines or arming electric powered aircraft prior to flight.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Tx / Rx             | Tx =Transmitter (held by pilot) and Rx = Receiver (located in model), the equipment used to control radio-controlled aircraft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Pegboard            | A system used to ensure frequency control on model radio equipment (35 Mhz for model aircraft). PANDAS use the peg off /on method. The pilot takes an available frequency peg off the board and places the peg on the Tx aerial and places his personal peg on the board. The pilot is then allowed to switch on the Tx. After flying, the model is turned off then the Tx is turned off and the pegs exchanged for other pilots to use if required. The pegboard must be out at all times during model flying in accordance with club rules. This is rarely used now as pilots use a 2.4Ghz radio system and these do not cause interference between each other. |

| Item                    | Description                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Failsafe                | Any powered model aircraft fitted with a receiver capable of operating in failsafe mode must have the failsafe set, as a minimum, to reduce the engine(s) speed to idle on loss or corruption of transmitter / receiver signal.              |
| Fixed Wing Aircraft     | Aeroplane                                                                                                                                                                                                                                    |
| Control Line Aircraft   | Model aircraft controlled by a number of fixed lines. The aircraft is fixed at one end of the control lines and the pilot controls the aircraft from the other. This type of flying is restricted to flying in a circle of a fixed diameter. |
| Model Boats             | Sail powered model yachts and low powered boats (No Internal combustion engines or high-powered electric motors)                                                                                                                             |
| Rotary Wing             | Helicopters                                                                                                                                                                                                                                  |
| Multi Rotor             | Aircraft with more than 2 lift generating propellers.                                                                                                                                                                                        |
| Autonomous Aircraft     | Any aircraft capable of being programmed by the pilot to fly autonomously that is also able to be flown manually when the pilot takes manual control.                                                                                        |
| Free flight             | Aircraft having no radio control functions                                                                                                                                                                                                   |
| FPV (first person view) | Aircraft piloted through visual telemetry (Fixed Wing, Multi Rotor and Drones)                                                                                                                                                               |
| Gliders                 | Aircraft that have no self-propelled engine. (Those with electric power motors are classed as an Aeroplane / Fixed Wing)                                                                                                                     |

## **SECTION 6 RISK ASSESSMENT**

| <b>Hazard Identified</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Risk to who or what</b>             | <b>Risk Rate (Low, Medium, High)</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------|
| 1. Strike by flying model aircraft (loss of control – pilot error)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Pilots, Club members, Public, Vehicles | <b>Med</b>                           |
| <p>1. COMMENTS – CONTROL MEASURES – Risk mitigated to low by implementing the below:</p> <ul style="list-style-type: none"> <li>• New members (non-flyers) are instructed by nominated club instructors.</li> <li>• Pilots without a BMFA ‘A’ certificate must be supervised when flying by a pilot who has a BMFA ‘A’ or ‘B’ Certificate.</li> <li>• Club members must attain a minimum of BMFA ‘A’ certificate to be able to fly unsupervised.</li> <li>• Committee members / club members to monitor aircraft in flight.</li> <li>• Committee members constantly monitoring and maintaining flying standards, disciplines &amp; safety.</li> </ul>                                                                                                                                                                                                                                                                                                           | Pilots, Club members, Public, Vehicles | <b>Low</b>                           |
| 2. Strike by flying model aircraft (loss of control – radio interference / failure)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Pilots, Club members, Public, Vehicles | <b>Low</b>                           |
| <p>2. COMMENTS – CONTROL MEASURES</p> <p>Pegboard frequency control must be used at all times when R/C aircraft are flying on 27 Mhz or 35 Mhz</p> <p>Ensure TX and RX batteries are fully charged, and battery checkers are used throughout the flying session to check battery state.</p> <p>The vast majority of members use 2.4 Ghz radio equipment which does not require frequency control (See BMFA handbook for further details) this significantly reduces internal and external interference in R/C model controls.</p> <p>Most aircraft use a failsafe where possible and practical (all aircraft over 7.5 Kg must have failsafe system in place).</p> <p>All radio control equipment Tx and Rx must be CE approved and not modified in any way (manufactures give clear instruction on equipment use) BMFA periodically issue safety bulletins on issues with control equipment with regards to imports from America and Far Eastern countries.</p> | Pilots, Club members, Public, Vehicles | <b>Low</b>                           |

| Hazard Identified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Risk to who or what                    | Risk Rate (Low, Medium, High) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|
| 3. Strike by flying model aircraft (loss of control – structural failure)                                                                                                                                                                                                                                                                                                                                                                                                                                              | Pilots, Club members, Public, Vehicles | Low                           |
| 3. COMMENTS – CONTROL MEASURES <ul style="list-style-type: none"> <li>Aircraft of new club members are checked by an experienced club member usually an instructor or an examiner.</li> <li>New club members are advised on suitable aircraft before they purchase them i.e. a high wing trainer model is recommended for new starters.</li> <li>Current aircraft must be checked pre and post flight for any potential problems i.e., loose control surfaces, damage to airframe, etc. (See BMFA Handbook)</li> </ul> | Pilots, Club members, Public, Vehicles | Low                           |
| 4. Potential accident victims (pilots)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pilot                                  | Low                           |
| 4. COMMENTS – CONTROL MEASURES <ul style="list-style-type: none"> <li>Pilots must stand at the flight line.</li> <li>Stand close enough to communicate with each other.</li> <li>Aircraft must not taxi towards the flight line and pits area (see club rules)</li> <li>Pilots or helpers retrieving aircraft from in front of the flight line must give a loud verbal warning to other pilots and watch overhead before venturing beyond the flight line to clear the landing strip of the model.</li> </ul>          | Pilot                                  | Low                           |

| <b>Hazard Identified</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Risk to who or what</b> | <b>Risk Rate (Low, Medium, High)</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------|
| 5. Potential accident victims (spectators)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Public                     | <b>Low</b>                           |
| <b>5. COMMENTS– CONTROL MEASURES</b><br>Any spectators on the flight line must be briefed by the pilots and numbers kept to minimum to ensure adequate communication between pilots that are flying,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Public                     | <b>Low</b>                           |
| 6. Potential accident victims (member/s) of the public in surrounding areas) fixed wing site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Public                     | <b>Low</b>                           |
| <b>6. COMMENTS – CONTROL MEASURES</b><br>All activities in the park (football, cricket, play areas, etc.) are situated behind the fixed wing flight line. The route for member's vehicles, from the park gate to the car park, is also behind the flight line. The airspace is in front of the flight line. Detailed in the club rules. Warning flags are placed in the flight areas when members are flying to alert both club members and members of the public that the field is in use.<br>All members present at the flying site are requested to watch out for public, animals and low flying full size aircraft passing into the model flying area (low flying full size aircraft are covered in another section). If people are spotted, all pilots are warned to fly high and away from the potential hazard until the person(s) concerned have passed. General public where possible are advised of the dangers and offered alternative routes should they wish to take this advice. | Public                     | <b>Low</b>                           |
| 7. Potential accident victims (member(s) of the public in surrounding areas) Helicopter and Multi Rotor site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Public                     | <b>Low</b>                           |
| <b>7. COMMENTS – CONTROL MEASURES</b><br>All activities in the park (mainly football) are situated in front of the helicopter/multi rotor flight line. Pilots are required to change flight pattern so as not to over fly any football pitches if in use, restrict flying to close in flying or fly over rough ground to right of flight line away from activities above. The route for member's vehicles, from the park gate to the car park, is behind both fixed wing and helicopter, multi rotor flight lines.<br>All members present at the flying site are requested to watch out for persons, animals and low flying full size aircraft passing into model flying area (low flying full size aircraft are covered in another section). If people are spotted, all pilots advised to land or hover low and at a safe area. General public where possible are advised of the dangers and offered alternative routes should they wish to take this advice.                                 | Public                     | <b>Low</b>                           |

| <b>Hazard Identified</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Risk to who or what</b> | <b>Risk Rate (Low, Medium, High)</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------|
| 8. Potential accident victims (member(s) of the public in surrounding areas) control line.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Club Members, Public       | <b>Low</b>                           |
| <b>8. COMMENTS – CONTROL MEASURES</b><br>During competitions the control line flying area (which is a circle up to 36 meters in diameter) is roped off and monitored by competition organisers. On the rare occasions that this area is used for multi rotor flying warning flags are utilised.                                                                                                                                                                                                                                                                                         | Club Members, Public       | <b>Low</b>                           |
| 9. Injury during starting / adjusting engines - fixed wing (potential risk - cut, bruised or broken fingers & risk of propeller failure or loose items propelled by them)                                                                                                                                                                                                                                                                                                                                                                                                               | Pilot                      | <b>Low</b>                           |
| <b>9. COMMENTS – CONTROL MEASURES</b><br>All Aircraft must be restrained during start up. Aircraft are positioned facing the flight line, i.e., away from any spectators and not facing anyone in front of the aircraft. Mechanical aids are available to reduce the risk in the form of <ul style="list-style-type: none"> <li>• Heavy rubber finger stalls</li> <li>• A short stick to flick the propeller.</li> <li>• Electric starter motor</li> <li>• A heavy glove</li> </ul> <b><u>Recommendations</u></b><br>A first aid kit for minor injuries is available in the club cabin. | Pilot                      | <b>Low</b>                           |

| Hazard Identified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Risk to who or what   | Risk Rate (Low, Medium, High) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|
| 10. Injury during starting / adjusting engines – helicopters or multi rotors (potential risk – cuts, bruises, and damage to body especially if hot start with rigid type carbon blades)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Pilot, Club member(s) | Low                           |
| <p>10. COMMENTS – CONTROL MEASURES</p> <p>When starting the helicopter or multi rotors ensure Tx controls are on throttle set to idle, fight mode set to normal to stop risk of a hot start.</p> <p>Electric helicopters or multi rotor aircraft should not be made live by connecting the battery source until at the nominated take off point in front of the flight line or in the designated start up area.</p> <p><b>Recommendations</b><br/>Clear local start up area when starting any helicopter.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Pilot                 | Low                           |
| 11. Fire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Pilot                 | Low                           |
| <p>11. COMMENTS – CONTROL MEASURES</p> <p>Four types of fuel are in use in model aircraft:</p> <ul style="list-style-type: none"> <li>• Petrol / oil mix used in the larger aircraft. – Highly flammable.</li> <li>• Methanol / oil mix used in smaller 'glow' motors – not so flammable but burns with an almost invisible flame.</li> <li>• Jet fuel is simply paraffin – which will not support combustion unaided.</li> <li>• Lithium Polymer batteries – risk of fire if charged incorrectly, bare terminals touch or high impact i.e. crash</li> </ul> <p>Liquid fuels should be carried in approved containers. Commercially purchased 'glow' fuel is supplied in suitable containers &amp; labelled with appropriate safety instructions. All members flying jet aircraft carry fire extinguishers. A 'BMFA' bulletin refers to fire hazard in flight boxes.</p> <p><b>Recommendations</b><br/>Operators of turbine aircraft carry fire extinguishers. The club cabin contains a 6 kg powder fire extinguisher.</p> | Pilot                 | Low                           |

| Hazard Identified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Risk to who or what         | Risk Rate (Low, Medium, High) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------|
| 12. Glider launch equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Pilot, Club Members, Public | Low                           |
| <p>12. COMMENTS – CONTROL MEASURES</p> <p>Gliders are launched into the air by one of 5 methods:</p> <ul style="list-style-type: none"> <li>• A towline up to 100 metres long being pulled by another club member.</li> <li>• An electric winch (battery powered) pulling the line.</li> <li>• By ‘bungee’ (an elastic / tow line combination) being tethered at one end by a ground anchor.</li> <li>• Air tow by a fixed wing aircraft</li> <li>• DLG or Discus launched gliders are hand launched.</li> </ul> <p>Because the towlines intrude into the flying area, gliders are not normally flown alongside other powered aircraft. Potential hazards are people tripping over the lines, or a ground anchor becoming loose.</p> <p><b>Existing precautions</b></p> <p>Lines are only laid out just prior to a launch, so are only a trip hazard for a few minutes. Helpers and flyers are always vigilant for third parties coming close to lines &amp; will not lay out a line or launch if any person is nearby. If an anchor of a bungee launch system becomes detached, it will travel towards the operator, but not usually reaching that person.</p> | Pilot, Club Members, Public | Low                           |
| 13. Noise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Pilot, Club Members, Public | Low                           |
| <p>13. COMMENTS – CONTROL MEASURES</p> <p>The club requires that all aircraft should not produce excessive noise. An effective silencer must be fitted to ensure this is met. As the M62 motorway is close by, the traffic noise often covers any aircraft noise.</p> <p>The club restricted the flying of the more noisy internal combustion powered and turbine aircraft on a weekend in November 2023, to prevent any potential annoyance to the new housing developments in the area.</p> <p>The flying hours for them are:<br/> Saturday 0900 to 1700<br/> Sunday 1000 to 1700</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Pilot, Club Members, Public | Low                           |

| Hazard Identified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Risk to who or what                      | Risk Rate (Low, Medium, High) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------|
| 14. Large model and jet flying                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Club members, public, Animals & Vehicles | Low                           |
| 14. COMMENTS – CONTROL MEASURES<br>BMFA 'B' certificate or over is needed to fly large aircraft (Heavier than 7,5 Kg) and or gas turbine jets, see club rules, BMFA guidelines, LMA guidelines, CAA (CAP 722), CAA 240, & 241.                                                                                                                                                                                                                                                                                                                                                                                 | Club members, public, Animals & Vehicles | Low                           |
| 15. Flying at club events including Wakefield Council events in Pontefract Park                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Club members, public, Animals & Vehicles | Low                           |
| 15. COMMENTS – CONTROL MEASURES<br>Take-off and landing area to be roped off along with pits area; all pilots must attend a safety briefing on club and park safety before flying. With FPV events the whole flight boundary area is to be cordoned off with hazard marker tape, or rope providing safety by distance control. This is to be designated by an appointed senior event official of the day. All club rules and BMFA guidelines, etc. are relevant. Signs to be displayed to advise the public of potential hazards. Event organizer to have final say on whether flying is allowed or suspended. | Club members, public, Animals & Vehicles | Low                           |
| 16. Injury to third parties by model wreckage / rubbish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Club members, Public, Animals            | Low                           |
| 16. COMMENTS – CONTROL MEASURES<br>It is the responsibility of all club members to remove all damaged aircraft & parts from the impact site should any impact damage occur.<br><b>Recommendations</b><br>New members are to be advised of clearing site of any rubbish and damaged aircraft / parts when joining club. Committee / club members to monitor flying site for rubbish.                                                                                                                                                                                                                            | Club members, Public, Animals            | Low                           |

| Hazard Identified                                                                                                                                                                                                                                                                                                                                                                                                                     | Risk to who or what                      | Risk Rate (Low, Medium, High) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------|
| 17. Injury to self / third parties entering site by vehicle                                                                                                                                                                                                                                                                                                                                                                           | Club members, public, Animals & Vehicles | Low                           |
| 17. COMMENTS – CONTROL MEASURES<br>Club members and visitors are to observe safety signs and mandatory 10 mph speed limits; show consideration to other users especially animals. Secure all model items in such a way that in the event of sudden impact they will not slide forwards and cause occupant's injury. Be especially careful with liquid fuels and lithium polymer batteries in vehicles.                                | Club members, public, Animals & Vehicles | Low                           |
| 18. Fly away aircraft                                                                                                                                                                                                                                                                                                                                                                                                                 | Club members, public, Animals & Vehicles | Low                           |
| 18. COMMENTS – CONTROL MEASURES<br>The following actions will reduce flyaway aircraft. <ul style="list-style-type: none"> <li>• Fly within agreed boundaries.</li> <li>• Following club safety rules</li> <li>• Only fly with batteries in a safe charged state.</li> <li>• Pre and post flight checks carried out.</li> <li>• Use of failsafe system were appropriate.</li> <li>• Beginners to fly with experienced pilot</li> </ul> | Club members, public, Animals & Vehicles | Low                           |
| 19. Low flying aircraft i.e. light full-size aircraft, micro lights, police helicopter, air ambulance, etc.                                                                                                                                                                                                                                                                                                                           | Aircraft                                 | Low                           |
| 19. COMMENTS – CONTROL MEASURES<br>Observer for model pilot or other club members present at flying field to advise pilot of low flying aircraft and either land the model aircraft immediately or bring the model aircraft safely away from the over flying aircraft. Observer to verbally advise model pilot of full-size aircraft position until out of park perimeter.                                                            | Aircraft                                 | Low                           |
| Hazard Identified                                                                                                                                                                                                                                                                                                                                                                                                                     | Risk to who or what                      | Risk Rate (Low, Medium, High) |
| 20. Operation of model boats on lake                                                                                                                                                                                                                                                                                                                                                                                                  | Club members and members of the public   | Low                           |

| <p>20. COMMENTS – CONTROL MEASURES</p> <p>Model boats shall be operated between the signs (if any) designating the boating area of the lake.</p> <p>Keep well clear of the water's edge, except when launching and retrieving the model.</p> <p>Take a note of the availability of lifesaver rings (if any) and ensure they are ready for immediate use before launching the model.</p> <p>Avoid leaning out too far over the water.</p> <p>Never enter the water to retrieve a model.</p> <p>Never operate the model whilst your back is turned to the water.</p> <p>Do not leave equipment near the water's edge or pathway that could be a tripping hazard, e.g., model boat stand.</p> <p>Be aware of other model operators in close proximity and give room for each to operate safely.</p> <p>Long transmitter aerials' (27 Mhz and 40 Mhz) should have the antenna end fitted with a table tennis ball (or similar) to prevent eye injury.</p> <p>Be aware of spectators who take an interest.</p> <p>Ensure unsupervised children are kept well away from the water's edge.</p> <p>Do not let children help with launching or retrieval of aircraft.</p> <p>It is recommended to have someone else in attendance, whilst operating a model, able to help if difficulties arise.</p> <p>NB: IC powered boats are not allowed.</p> | <p>Club members and members of the public</p> | <p><b>Low</b></p>             |
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| Hazard Identified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Risk to who or what                           | Risk Rate (Low, Medium, High) |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------|
| 21. FPV (first person view)                                                                                                                                                                                                                                                                      | Club members and members of the public                        | <b>Low</b>                           |
| <b>21. COMMENTS – CONTROL MEASURES</b><br>In line with BMFA and CAA regulations. Pilots flying FPV must have a competent observer who must maintain constant line of sight with the aircraft to warn the pilot of any potential dangers. Aircraft must remain within the allocated flying zones. | Club members and members of the public                        | <b>Low</b>                           |
| <b>Hazard Identified</b>                                                                                                                                                                                                                                                                         | <b>Risk to who or what</b>                                    | <b>Risk Rate (Low, Medium, High)</b> |
| 24. Use of mobile phones close to aircraft transmitter, receiver, flight controller or GPS receiver that interfere with frequency sensitive equipment especially when calibrating magnetic sensors or GPS systems.                                                                               | Club members and members of the public. Property and vehicles | <b>Low</b>                           |
| 24. Recorded incidents of a mobile phone or device effecting the above frequency sensitive equipment is minimal. It is now left to a members discretion.                                                                                                                                         | Club members and members of the public. Property and vehicles | <b>Low</b>                           |