

CMAC RISK ASSESSMENT - MARCH 2018

| CATEGORY OF HAZARD Public Safety (PS) | SEVERITY 1=low - 5=high | LIKELIHOOD 1=low -5=high | RISK FACTOR |
|---|----------------------------|-----------------------------|-------------------|
| Hazard No. PS1 Model hits vehicle on Monaro Highway or crashes on the road. | 4 | 3 | 12 |
| Comments - control measure Promotion and enforcement of club flying procedures requiring all fixed wing flying to be west of the centreline of the runway. Ensure all transmitters used comply with MAAA approved lists. Ensure club flying safety rules are understood and observed. Particular attention be paid to correct failsafe settings on models. | Residual 4 | Residual 2 | Residual 8 |
| Hazard No. PS2 Model hits visitors on CMAC lease. | 4 | 3 | 12 |
| Comments - control measure Ensure safety barriers/fences keep visitors away from pits area and runways. Safety signage advising visitors of safety rules. Ensure club members aware of their responsibilities with respect to visitors and the proper control of their access to higher risk areas. | Residual 4 | Residual 2 | Residual 8 |
| Hazard No. PS3 Model hits member of public walking in the grasslands. | 4 | 1 | 4 |
| Comments - control measure Considered a low risk. Club members to be aware that public right of access does apply to our grassland area and to be vigilant. | Residual 4 | Residual 1 | Residual 4 |
| Hazard No. PS4 Visitor injured on CMAC lease in non model related accident. | 3 | 3 | 9 |
| Comments - control measure Ensure car parking area clearly marked with suitable barriers and access control. Styres to have hand rails and non slip steps. Eliminate protruding edges on buildings. Fencing to keep visitors in the visitor areas. Young children to be accompanied at all times. | Residual 2 | Residual 2 | Residual 4 |

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| Hazard No. PS5 Model collides with full size aircraft as a direct consequence of CMAC's location within 3NM of the Canberra Airport. | 5 | 2 | 10 |
| Comments – control measure CASA will originate a NOTAM with respect to the CMAC field and details are intended to be published in ERSAs for the information of full-sized aircraft. The field is identified on VTC/VNC. Model aircraft pilots who see and/or hear full sized aircraft approaching are required to descend or land their model in cases where full size aircraft are nearby. Local CMAC rules are available at the Clubhouse and on the CMAC website and are explicit regarding the 400' height limit. Prominent signage is installed around the Pilot box to remind rc pilots of the 400' ceiling. No flying is permitted East of the Centreline of the runway. | Residual 5 | Residual 1 | Residual 5 |
| CATEGORY OF HAZARD Member Safety (MS) | SEVERITY 1=low - 5=high | LIKELIHOOD 1=low -5=high | RISK FACTOR |
| Hazard No. MS1 Member injured by own model while starting / handling prior to flight. | 3 | 4 | 12 |
| Comments - control measure Models required to be positively restrained either by mechanical device or another member while starting. Encourage use of electric starters or chicken finger devices. If carrying model from pits to flight line ensure both hands free to hold model. Ensure First Aid Kit available at site | Residual 2 | Residual 4 | Residual 8 |
| Hazard No. MS2 Member injured by own model during flight ops. | 4 | 2 | 8 |
| Comments - control measure Enforce flying procedures manual particularly: <ul style="list-style-type: none"> • No standing on the strip while flying, • No hovering models closer than 9 meters from self or any other individual, • No fast low passes closer than the centreline | Residual 4 | Residual 2 | Residual 8 |

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| of the runway (9m). Erect model proof barrier between pilots and runway, Emphasise safe circuit and landing training for new pilots. Ensure First Aid Kit available at site. | | | |
| Hazard No. MS3 Member injured by other person's model in pits area. | 3 | 2 | 6 |
| Comments - control measure As for MS1. Plus: Maintain linear pits area with starting boxes outside of pits separated by fence. Ensure 30m rule is enforced, ensuring greater separation between pits and flight line. Ensure good line of sight from pits area to flightline to aid situational awareness. | Residual 3 | Residual 2 - reduces to 1 when starting boxes introduced | Residual 6 (3) |
| Hazard No. MS4 Member injured by other person's model in the airside areas. | 4 | 3 | 12 |
| Comments - control measure As for MS2. Plus if need to access strip to retrieve model ensure that all pilots are aware of your intentions and acknowledge. Always request clearance to taxi onto the strip prior to take off. Enforce club flying safety rules. | Residual 4 | Residual 2 | Residual 8 |
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| CATEGORY OF HAZARD Security of Tenure of flying field (ST) | SEVERITY 1=low - 5=high | LIKELIHOOD 1=low -5=high | RISK FACTOR |
| Hazard No. ST1 Loss of CASA Permission to operate due to flying outside agreed parameters (ie above 400' or otherwise endangering Aircraft). | 4 (high cost and club viability) | 2 | 8 |
| Comments - control measure Adhere to 400' rule and require all models to be kept low or landed if full size aircraft operating nearby. Maintain good relationships with Canberra ATC and CASA. Ensure CASA fully aware of our operation through | Residual 4 | Residual 1 | Residual 4 |

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| proper registration. | | | |
| Hazard No. ST2 Loss of permission to develop due to environmental issues | 3 (cost and facilities degradation) | 3 | 9 |
| Comments - control measure Include environmental considerations in all DA's. Demonstrate respect for the environment in dealings with authorities. Maintain updated Risk Assessment. | Residual 3 | Residual 2 | Residual 6 |
| Hazard No. ST3 Loss of tenure due to environmental issues | 4 (high cost and club viability) | 2 | 8 |
| Comments - control measure As for ST2. Also, in the case of potential fire hazard caused by the operation of gas turbine aircraft, ensure pilots operate in accordance with MAAA MoPs related to such aircraft. | Residual 4 | Residual 1 | Residual 4 |

RISK EVALUATION MATRIX

| Potential Severity (A) | Score | Likelihood (B) | Score | Risk Factor (A x B) |
|------------------------|-------|----------------------------|-------|---------------------|
| Trivial | = 1 | Highly Unlikely occurrence | = 1 | 0 – 5 = Low |
| Minor injury/cost | = 2 | Possible occurrence | = 2 | |
| Serious injury/cost | = 3 | Quite possible occurrence | = 3 | 6 – 15 = Medium |
| Fatality/high | = 4 | Likely occurrence | = 4 | |

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| cost | | | | |
| Major – multiple deaths | = 5 | Highly likely occurrence | = 5 | 16 – 25 = High |