

MODEL AERONAUTICAL ASSOCIATION OF AUSTRALIA



DISPLAY PROCEDURE

MOP019

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This Policy and/or Procedure forms part of the MAAA Manual of Procedures. This entire document is for the use of all classes of members of the MAAA in the conduct of activities associated with the MAAA and is not to be used for any other purpose, in whole or in part, without the written approval of the MAAA Executive.

Glossary

Acronyms and abbreviations

Acronym / abbreviation	Description
AGL	Above Ground Level
CASA	Civil Aviation Safety Authority
CASR	Civil Aviation Safety Regulations 1998
MAAA	Model Aeronautical Association of Australia Inc.
NOTAM	Notice to Airmen
RPA	Remotely Piloted Aircraft (same meaning as UAV)
UAV	Unmanned Aerial Vehicle (same meaning as RPA)

Definitions

Term	Definition
Affiliate Member	A member of a Club properly affiliated with a State Association.
Approved Area	An area approved by CASA under CASR Subpart 101.030 for the operation of Model Aircraft.
Bona Fide Visitors	Visitors to the club, not necessarily signed into the visitors book under MOP042, who are present in small numbers on a casual basis.
Club	A Club properly affiliated with a State Association.
Club Member	A financial member of a Club.
Competition	A competition run by a Club, State Association or the MAAA and open to members of other Clubs and/or Associations but not promoted to the general public. Large competitions, such as World Championships, where it would be reasonably expected that members of the public will attend, shall be treated as a Display.
Contest Director	The person responsible for the running of, and safety at the contest.
Display	An organised Display of any type of model aircraft flying (including Control Line model aircraft and indoor flying) conducted in front of non-MAAA Affiliate Members.
Display (CASR Part 101 type)	A Display, which is covered by the provisions of CASR Subpart 101.410 i.e. outdoors and including radio and/or free flight models.
Display Director	The person responsible for the running of, and safety at the display.
Ensure	For the purpose of this procedure the meaning of the word 'ensure' is to take all reasonable and prudent steps to ascertain that the requirement is achieved and does not have the meaning that this is to be guaranteed. In some cases guidance is given within this procedure as to the appropriate steps that might be taken.
Exhibition	A static display of model aircraft only, which involves no model flying of any type.
Flight Line Director	The person/s nominated by the Display Director to control the "flight line" or flying activities.
Instrument of Approval	An Instrument of Approval as issued by CASA which contains an approval to hold a display and also contains conditions to be met for such a display.
Organiser	The person, Club or Association organising the Display.

Term	Definition
Populous Area	An area is a populous area in relation to the operation of an unmanned aircraft if the area has a sufficient density of population for some aspect of the operation, or some event that might happen during the operation (in particular, a fault in, or failure of, the aircraft) to pose an unreasonable risk to the life, safety or property of somebody who is in the area but is not connected with the operation.
State Association	A State Association properly affiliated with MAAA Inc.

Reference material

Document type	Title
Regulations	<i>Civil Aviation Safety Regulations 1998</i>
Part 101 of CASR	Part 101 of the <i>Civil Aviation Safety Regulations 1998 (CASR)</i>
Part 101 MOS	Manual of Standards to Part 101 of the CASR 1998

Forms

Form no.	Title
MAAA001	Application for a Permit to Conduct a Display See Appendix C
MAAA002	Display Director's Statement See Appendix D
MAAA031	Risk Assessment Template See Appendix E

Revision history

Revisions to this manual are recorded below in order of most recent first.

Version no.	Date	Parts / sections	Details
1.0			First Issue
2.0	15 November 2024	All	Major Revision

1. INTRODUCTION

- 1.1 Model aircraft are displayed by many different methods and to different audiences. This can range from static displays at formal or informal events, to flying displays where members of the public may be spectating.

2. PURPOSE

- 2.1 This procedure outlines the requirements to conduct a model display, in accordance with CASA regulations and the MAAA rules and procedures.

3. SCOPE

- 3.1 This procedure applies to all Displays of model aircraft, organised and conducted by members of the MAAA.

4. CONSIDERATIONS FOR A FLYING DISPLAY

- 4.1 A flying display (a.k.a. model flying display) is a public attended event, conducted by members of the MAAA for the purposes of an aeromodelling airshow.

- 4.2 To clarify what is explicitly defined as a flying display and avoid any confusion:

- 4.3 The following are ***not considered*** to be a flying display:

- 4.3.1 attendance is limited to affiliated members of the MAAA and bona fide visitors
- 4.3.2 the flying of model aircraft is conducted on an informal basis
- 4.3.3 aeromodelling competitions (within or between clubs where 4.3.1 applies)
- 4.3.4 'have a go' (or promotional/advertised similar events) where an individual can attend the club to try out and experience aeromodelling
- 4.3.5 Static exhibitions (no flying of model aircraft)
- 4.3.6 Members of the public outside the club field and/or approved operational area, who can see aeromodelling activities from their location. E.g. if a person is located outside an aerodrome property boundary.

- 4.4 The following ***are considered*** to be a flying display:

- 4.4.1 an advertised aeromodelling event encouraging the public to attend as spectators of a model aircraft airshow; or
- 4.4.2 where a designated viewing area is created specifically for public attendance at an organised aeromodelling event
- 4.4.3 a model aircraft flying segment which is part of a manned airshow.

Note – *If the organisers of an aeromodelling event are unsure whether the event satisfies the criteria for a flying display, the event is to be treated as if it is a flying display and the event organiser must seek an MAAA display permit.*

5. POLICY

- 5.1 In accordance with the model flying displays subregulation CASR 101.410(2)(b), a model flying display is considered compliant if the display is conducted:
- 5.1.1 in an approved area; and
 - 5.1.2 in accordance with the rules and procedures of an approved aviation administration organisation.
- 5.2 The MAAA is recognised by CASA as an Approved Aviation Administration Organisation for the purposes of satisfying subregulation CASR 101.410(2)(b).

Approved Area

- 5.3 Clubs wishing to conduct a model flying display may apply to the MAAA to conduct a flying display over an approved area under CASA Instrument CASA.MODEL.0093.
- 5.4 Giant model aircraft participating in a model flying display are permitted to operate under CASA.MODEL.0093 only within the following conditions:
- 5.4.1 from an aerodrome (controlled or non-controlled); or
 - 5.4.2 where neighbouring areas to the approved area are not populous areas (see CASR regulation 101.395; or)
 - 5.4.3 where neighbouring areas to the approved area are populous areas, in the event of a systems failure occurring during the flight, the pilot must either:
 - 5.4.3.1 maintain the ability to manually navigate and safely land the aircraft; or
 - 5.4.3.2 initiate a fail safe system designed to limit the distance travelled by the aircraft such that the risk of injury to a person or damage to property is minimised.
- 5.5 Where giant model operations as part of a flying display require CASA permission, a separate model flying display application seeking CASA approval will be required.

6. APPLICATION PROCEDURE

- 6.1 The process in this section outlines MAAA requirements only. In addition to these requirements, a state association may require additional information.

For All Displays

- 6.2 The organiser of the flying display prepares a submission to request approval for a Display. The submission is to include, but is not restricted to:
- 6.2.1 Completion of an “Application for a Permit to Conduct a Display” form, Form MAAA001 (Appendix C)
 - 6.2.2 Name and contact details of a person deemed to be the display organiser.
 - 6.2.3 Name of person who is the nominated display director and the “Display Director’s Statement”, Form MAAA002 (Appendix D)
 - 6.2.4 Name of dedicated flight line director
 - 6.2.5 Risk Assessment (specifically for the event), Form MAAA031 (Appendix E)
 - 6.2.6 Locality Plan

- 6.2.7 Where required – CASA application for the approved area, or justification for operation under CASA Instrument CASA.MODEL.0093.
- 6.2.8 At least two, dimensioned plans/drawings of the flying site and surrounding area showing, as a minimum:
- 6.2.8.1 Flying display area, including flying axis for different wind directions;
 - 6.2.8.2 Location of spectator areas including distances from flying area;
 - 6.2.8.3 Location of car parks including distances from flying area;
 - 6.2.8.4 Location of pits;
 - 6.2.8.5 Location of both permanent and temporary fencing;
 - 6.2.8.6 Location of public roads in vicinity;
 - 6.2.8.7 Location of buildings in vicinity;
 - 6.2.8.8 Location of fire fighting equipment.
- 6.2.9 At least one plan shall show the immediate area including pits and spectator areas. The other/s, at a larger scale, shall show the general surrounding area, including flying areas, and distance to nearby buildings etc.
- 6.2.10 Minimum standard examples of the plans mentioned in 6.2.9 are shown in Appendix A and B.
- 6.3 The State Association shall consider the flying display application and, if the application is deemed satisfactory, issue the display permit.
- 6.4 If a CASA approval is required, the MAAA will liaise with the club and state associate to prepare a submission seeking CASA approval.

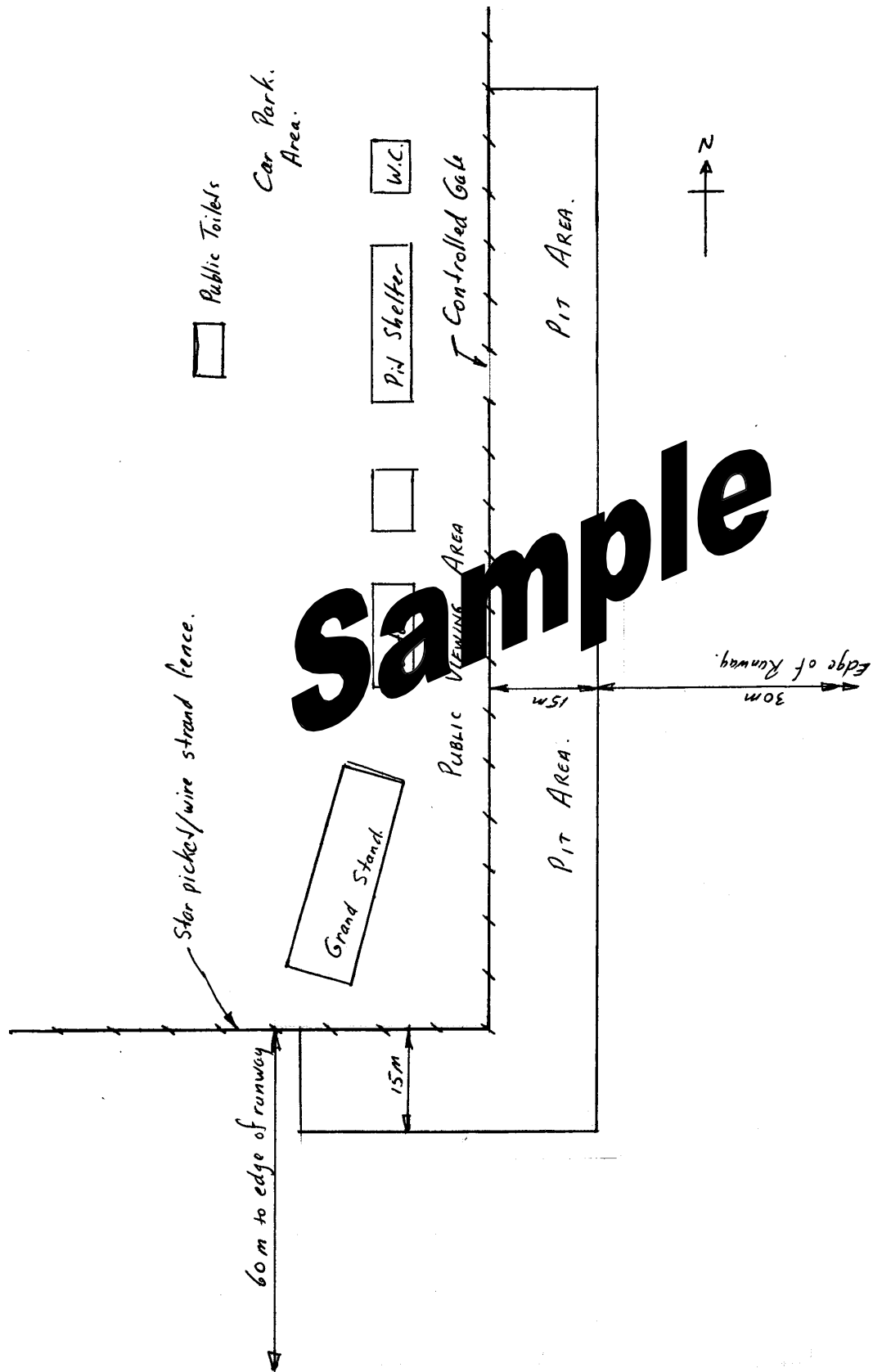
7. RESPONSIBILITY

- 7.1 The State Association is responsible for endorsement of a flying display request and the issue of an MAAA flying display permit.
- 7.2 CASA may impose conditions on any model flying display, if CASA deems the condition is reasonable to maintain air navigation safety.
- 7.3 The State Association is responsible for notifying the display organiser if the application was unsuccessful, or if CASA has imposed additional conditions.
- 7.4 The display organiser is responsible for ensuring that:
- 7.4.1 after consideration of the types of flying making up the display, proper precautions are taken to ensure the safety of the participants and spectators. These precautions shall be identified as risks and summarised in a risk assessment required for every display.
 - 7.4.2 the model aircraft pilots participating in the Display are competent to carry out the proposed display manoeuvres safely.
- 7.5 The display organiser is responsible for ensuring that the following documentation is included with the application and reaches the State Association Secretary at least 60 days prior to the date of the proposed Display:
- 7.5.1 Application for a Permit to Conduct a Display form, Form MAAA001, completed and signed. See Appendix C.

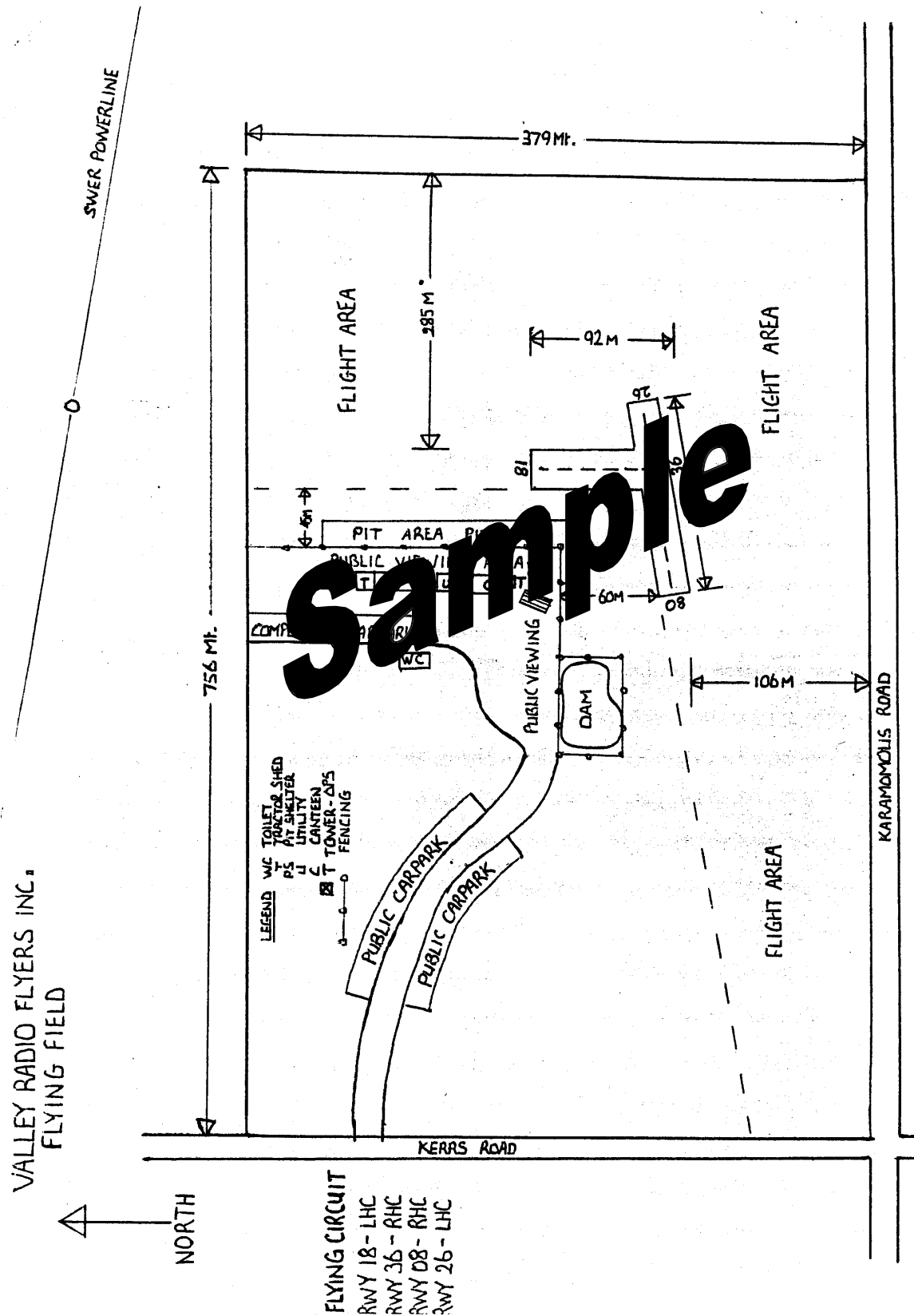
- 7.5.2 Completed and signed Display Director's Statement, Form MAAA002, (Appendix D)
 - 7.5.3 Risk Assessment, Form MAAA031 (Appendix E)
 - 7.5.4 At least two scale plans of the Display venue:
 - 7.5.4.1 one of a scale appropriate for displaying the details of the immediate flying field area layout, including spectator locations, pit areas, permanent and temporary fencing, as well as car and, if applicable, full-size aircraft parking.
 - 7.5.4.2 a second plan, of a larger scale, showing the general flying field area, flying area, display axis for various wind directions (if applicable), and immediate surrounding areas with distance to nearest buildings and roads shown.
 - 7.5.4.3 See Appendices A & B for examples of the minimum plan standards required. Plans that are drafted rather than hand drawn are preferred.
 - 7.5.5 Any other supporting documents considered applicable.
- 7.6 The display director is responsible for ensuring that the model flying display is conducted in accordance with:
- 7.6.1 CASA regulations
 - 7.6.2 MOP019
 - 7.6.3 applicable club rules
 - 7.6.4 Any additional conditions imposed by either CASA or the State Association.
- 7.7 The display director must ensure:
- 7.7.1 All pilots flying in the display are competent, and for radio controlled aircraft they shall be capable of flying their display aircraft in a competent and safe manner, with the ability to complete all the display manoeuvres without any loss of control and orientation. This includes all pilots, even if the aircraft is being flown with two transmitters connected with a "buddy cord" (or equivalent tethering technology).
 - 7.7.2 Any aircraft that require permits have valid accompanying documentation.
 - 7.7.2.1 Aircraft requiring permits are to be flown within the flight envelope approved on their permit.
 - 7.7.2.2 Only persons endorsed as pilots on the permits of aircraft requiring them are permitted to fly such aircraft at displays. This includes all pilots, even if the aircraft is being flown with two transmitters connected with a "buddy cord" (or equivalent tethering technology).
 - 7.7.3 All persons involved in display operations attend the safety brief and are given the opportunity to seek additional information for clarity.
- 7.8 The display director shall determine an appropriate means of assessment for determining pilot suitability. This must be documented as part of the application seeking a display permit. Only a suitably deemed model aircraft pilot may fly at a flying display.
- 7.9 The display director is responsible for the appointment of the flight line director. If the display director determines the position is not required, they will undertake this role themselves.

- 7.10 The flight line director is responsible for:
 - 7.10.1 the safe running of the “flight line”, including control of take-offs, landings and aircraft movements.
 - 7.10.2 ensuring that the people assisting on the flight line are fully briefed on their specific responsibilities and safety requirements.
- 7.11 The display organiser is responsible for obtaining and, where applicable, paying for the required permits and/or approvals to conduct the display.
- 7.12 The State Association is responsible for retaining a database of, and documentation relative to, the Displays approved or rejected by them for a period of at least seven years. The database shall contain as a minimum; date and location of display, date of approval and any special conditions.

APPENDIX A – Example of Plan of Display Site



APPENDIX B – Example of Plan of Display Site



APPENDIX C – Form MAAA001



MODEL AERONAUTICAL ASSOCIATION OF AUSTRALIA

APPLICATION FOR A PERMIT TO CONDUCT A DISPLAY

This form to be completed in conjunction with the Procedure MOP019 - Display Procedure

- 1. **Full Name of Club (Inc. if incorporated):**
- 2. **Details of Applicant/Organiser: Name:**
Address: Post Code:
Phone: Mobile: Email:
- 3. **Date of Display:** From/...../..... to/...../..... **Time of Display:** From to
- 4. **Details of Display Director: Name**
Address: Post Code:
Phone: Mobile: Email:
- 5. **Location of Display:**
(Give Map Name and References)
- 6. **Aircraft Involved in Display:** R/C, CL, FF, Aerobatics, Glider, Helicopter, Pylon, Old Timer, Heavy Models, Scale, Ducted Fan, Turbine, FPV, General Sports
(Circle all types involved in Display)
- 7. **Reason for Display:** eg. Charity Fund Raising, Promotion
- 8. **Number of spectators expected:**
- 9. **Is the model aircraft display part of a full size display, static or flying?** YES / NO
If YES, details of display:
- 10. **Are full size aircraft going to fly in the display or during the period before or after?** YES / NO
- 11. **Is the Display Site the Club Field?** YES / NO
Note: Detailed dimensioned plans/drawings of display site & surrounding area must be submitted with this application.
- 12. **Is the Site a CASA Approved Flying Area?** YES / NO YES, approved ceiling height is
- 13. **Height Limit for Display** feet
Note: If the height is above 400 feet of CASA approved ceiling height for the flying site, then a "Ceiling Height Extension" application must also be included.
- 14. **Application for variation of the provisions of CASR (1998) Part 101: A, B, C or G?** YES / NO.
If YES, Paragraph No. Reason:

The display will be conducted with a strict observance of the guidelines as set out in MAAA Procedures & CASR (1998) Part 101.

Applicant/Organiser's Signature Date:

Changes to the above proposals required by the State Association:

Documentation specifically included in the approval of this proposal:

Approved on behalf of State Association: YES

Authorised person: Position: Date:

Note: A copy of the form is available from the MAAA website for download. See the link in the 'Forms' section of this document.

APPENDIX D – Form MAAA002



MODEL AERONAUTICAL ASSOCIATION OF AUSTRALIA

DISPLAY DIRECTOR'S STATEMENT

This form to be completed in conjunction with the Procedure MOP019 - Display Procedure

I
(Name and details of Display Director)

of
..... Post Code

Phone Numbers:

Home: Work: Mobile:

Email:

being the nominated Display Director for the Display to be held at:

.....
.....
(Location of Display site)

from shall, to the best of my ability, ensure that the display is conducted in accordance with the details supplied on the "Application for a Permit to Conduct a Display" form (MAAA001); in accordance with CASR Part 101 and the requirements of MAAA Procedures; and that the Display shall be conducted in a safe manner.

I am aware of the requirements of CASR Part 101 and the appropriate MAAA Procedures.

I shall satisfy myself that all pilots to fly in the Display are competent and will, to the best of my ability, ensure that the display is conducted in accordance with the approved "Application for a Permit to Conduct a Display" form, CASR Part 101 and MAAA Procedures.

Flight Line Director:
(Name of Flight Line Director)

Signed: Date:
(Display Director)

- Note: 1. Form to be completed in block letters.
2. This completed form is to be attached to, and sent with the "Application for a Permit to Conduct a Display" form in accordance with the MAAA Display Procedure.

Note: A copy of the form is available from the MAAA website for download. See the link in the 'Forms' section of this document.

APPENDIX E – Form MAAA031



**MODEL AERONAUTICAL ASSOCIATION OF AUSTRALIA
RISK ASSESSMENT BEFORE & AFTER CONTROL MEASURES.**

(Use as many sheets as needed) Sheet ____ of ____

Risk No 1: Manned Aircraft flying in vicinity of glider competition event	<u>LIKELIHOOD</u> (L)	<u>CONSEQUENCE</u> (C)	<u>REESULTANT</u> (R) (L+C=R)
Hazard 1: Impact between Manned aircraft and Model Aircraft			
The Consequence: <ol style="list-style-type: none"> 1. Damage or crash of manned aircraft 2. Loss of life 	5	1	6
Existing Controls/measures: <ol style="list-style-type: none"> 1. Operate in accordance with conditions of Area A pro 2. NOTAM must be issued prior to ev 			
Additional Control Measures: <ol style="list-style-type: none"> 1. Monitor CTAF frequency for Manned radio calls in the vicinity of the AD 2. Assigned Safety officer who is responsible for maintaining visual lookout and radio watch 3. All Model aircraft operators to descend immediately below 400FT upon identifying a manned aircraft in vicinity of competition 	4	1	5

Note: A copy of the form is available from the MAAA website for download. See the link in the 'Forms' section of this document.