



AIRWORTHINESS ADVICE NOTICE AEROTOWING CHARACTERISTICS

JAR 22 REFERENCE: JAR 22.151

INTRODUCTION: Each Sailplane type must be shown to be safe and easy to handle while on aerotow. It is necessary to demonstrate that the control forces to maintain station and to return to station are not excessive, that a cross wind takeoff can be successfully performed and that the sailplane can be flown in both high and low tow.

EQUIPMENT: Normal aerotowing equipment
Tow rope of the minimum length for which certification is sought.
This towrope must be no longer than 55 m.

SET-UP: No special setting up is required.

WEIGHT AND BALANCE: The weight and balance characteristics generally have only a small influence on the aerotowing characteristics however approximate weight and cg position should be known and recorded.

FLIGHT DATA: Type: _____ VH- _____ Test Number: _____

Pilot: _____ Place: _____ Date: _____

Gross weight: _____ CG Position: _____

Temperature: _____ Air pressure: _____

TAKE OFF:

Wind strength: _____

Note: Cross wind component should be less than 3 kts for the first aerotows.

Wind direction: _____

Runway direction: _____

Runway surface: _____

SIGNED:

Jonathan Shad
CHIEF TECHNICAL OFFICER AIRWORTHINESS

For and on behalf of:

**THE GLIDING FEDERATION
OF AUSTRALIA**

a) Describe rudder control: _____

b) Describe aileron control: _____

c) Describe elevator control: _____

To be flown in high and low tow to V_T .

Assessment: _____

Operation of cable release: _____

Measure force to actuate release at normal release speed:

_____ kg

Release at V_T : _____

Measure force to actuate release at V_T : _____ kg

CROSS WIND PERFORMANCE:

Provided aerotows have been performed successfully in light cross winds the maximum cross wind performance should be determined. The minimum cross wind is 8 kts and tests in higher cross winds should be approached with caution. At any sign of reaching full control deflection to remain straight should result in aborting the launch.

Wind strength: _____

Wind direction: _____

Runway direction: _____

Runway surface: _____

Highest cross wind strength for a successful launch without undue pilot skill. _____ kts

OTHER COMMENTS:

Are further investigations required on particular aspects of this sailplane

The results shown in this flight test program are a true and correct record of the test flight.
SIGNED:

Test Pilot

Date