



IAC OFFICIAL CONTEST RULES

Free Program – Design Limits and Documentation

6.16 JUDGE'S CHECKLIST FOR FREE PROGRAMS

The competitor has the sole responsibility for the selection of figures for their Free Program. The Judge checks for legality, readability, and agreement between catalog numbers, K-Factors and drawings. The *Aresti Aerobatic Catalogue* number shown on the Form A is always definitive when checking a Free Program.

The following items comprise a checklist for Judges to use for certifying Free Programs and describes the penalties for noncompliance to guide the Jury when resolving a protested Free Program. (See 6.15):

- (a) Sequence is drawn on current IAC forms as depicted in Appendix 7 of this rule book.
- (b) Total number of figures. It must not exceed that authorized for the category (*Power*, Table 6.2.1; *Glider*, Table 6.2.2).

Penalty: Any excess figure(s) shall be marked HZ, starting from the last and working backwards until the maximum allowable number of figures is reached.

- (c) Versatility. The requirements of 6.3.1 for Gliders and 6.3.2 for Power must be met.

Penalty: Should a versatility element be missing, one figure shall be marked HZ for each missing versatility element, starting with the highest K figure and working backwards.

- (d) Repetition. Check figures on Form A for duplicate *Aresti Aerobatic Catalogue* numbers. The repetition of any *Aresti Aerobatic Catalogue* number is not permitted except as provided in 6.8. Also scan Forms B and C for repeated figures. The most likely repetitions occur in Family 9 (Rolls), Family 8 (Combinations), and Family 5 (Hammerheads).

When checking a Free Program for any glider category, refer to 6.8 for special exceptions which apply to gliders only.

Penalty: All subsequent figures that contain an illegal repetition shall be marked HZ. For example, the first figure containing a 9.1.1.1 roll would be graded, but all subsequent figures containing that element would be marked with an HZ.

- (e) Illegal construction (See 6.13.5 and the *Aresti Aerobatic Catalogue*, Part 1).
 - (1) Where a 1/2 roll symbol appears, only rolls resulting in a 180 degree change in roll attitude can be used, as the character of the basic figure cannot be changed. (See *Aresti Aerobatic Catalogue*, Part 1)
 - (2) Where the 360 degree roll symbol appears, only 360 degree or 720 degree rotations may be used. It is also the competitor's option to use no roll at all.
 - (3) Rotations of 1/4, 1/2, 3/4, 1, 1¼, 1½, 1¾ or 2 may appear only on vertical lines where the optional 90 degree roll symbol appears.
 - (4) Linked rotations must be multiples of the same type of rotation.
 - (5) Unlinked rolls in the same direction of rotation must be of different types.
 - (6) Opposite rotations - Multiple rolls may be used more than once in a figure, but no more than one pair of them may be used on a straight or curved line. (See *Aresti Aerobatic Catalogue*, Part 1)
 - (7) Rolls are drawn with the curvature of slow roll symbols or the 'flag' of snap roll symbols indicating the proper direction of flight.





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- (8) Partial hesitation rolls will use the notation, AxB, where A is the number of hesitations flown and B is the number of hesitations that would occur in 360° of roll (e.g., a "3 of 2" roll would be annotated as "3x2").
- (9) Where a Family 9.1 - 9.10 roll is combined with a Family 9.11 or 9.12 spin element on the same line, the spin must occur first on the line.
- (10) Positive/Negative entry snap rolls - In Families 9.9 and 9.10 (snap rolls), the proper *Aresti Aerobatic Catalogue* number for the snap roll is determined by the loading at the point where the snap roll is placed. (See 6.10 and the *Aresti Aerobatic Catalogue, Part 1*)
- (11) Entry and exit lines of figures which begin and end on the Y axis must be drawn parallel to one another. (See 6.13.5)

Penalty: All illegally constructed figures shall be marked HZ.

- (f) On Form A, verify that each *Aresti Aerobatic Catalogue* number is entered correctly, the correct K-Factor has been entered for each component, the total K-Factor for the figure is correct, and the symbol is proper for the figure described by the *Aresti Aerobatic Catalogue* number.

For U.S. National Championships only, verify that Super Family (SF) numbers have been entered for each figure.

If a Floating Point has been used, ensure it was applied to the highest K figure(s) and does not exceed 1 point for power or 3 points for glider. Both the original figure coefficient and the reduced value must be shown on the Form A and the initials "F.P." written in the "Catalogue No." column of the Form A for any affected figures. Refer to 6.2 (power) and 6.2.1 (glider) for the complete set of rules governing the use of Floating Point.

Penalty: Any figures with an incorrect catalog number or K factor shall be marked HZ.

- (g) With a calculator, verify the grand total K-Factor for the program is correct and does not exceed the maximum K-Factor allowable for the category (See 6.2).

Penalty: Should the maximum K-Factor be exceeded, figures will be zeroed starting with the last figure and progressing backwards until the total K-Factor (not including the Presentation K) is within allowable limits. Should the Total K-Factor be absent or otherwise incorrect, the K-Factor shall be corrected on Form A and a penalty shall be applied per the schedule in 4.6.1(a)(2).

- (h) On Form A, verify the Presentation K-Factor is correct for the category. (See 5.8)

Penalty: If the Presentation K-Factor is absent or incorrect, the Presentation grade shall be zeroed.

- (i) Place Forms B and C side by side and follow them as you would while grading at a contest. Are they clearly legible and easy to follow? Do the drawings on both forms agree in every important detail and with the catalogue numbers on Form A, e.g., dashed lines, roll symbols, figure numbers, and roll designations?

Penalty: All illegible figures; figures flown which do not agree with the Catalogue number or K-Factor given on the Form A; or figures that cannot be flown as drawn on Form B or C shall be marked HZ.



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- (j) If all the above items are correct, sign and date each of the three Forms A, B, and C.
Penalty: Should a competitor's Free Program become final (See 6.15) with unsigned or undated forms, that competitor will be assessed penalty points according to the schedule given in 4.6.1(a)(2).
- (k) Remind the competitor that no changes or alterations can be made to these forms without having them recertified by a current IAC judge. Any changes or alterations void the signatures and render the forms noncompliant. (See 6.15)