

INTERNATIONAL GLIDING COMMISSION (IGC) - PROPOSAL FORM

Submit the proposal via email to IGC Secretary.

Date: 30. September 2018

Proposal submitted by: Aero Club of Poland

This proposal is a:

Year-1	<input checked="" type="checkbox"/>	Year-2	<input type="checkbox"/>	Other	<input type="checkbox"/>
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mark the boxes with \times as appropriate

Type the text changes in the space below (show deletions as ~~strike-through~~ and additions as **bold underlined**):

8.3.1 Championship Days

(...)

Dq – The average of n25 Highest Handicapped Distances (Dh) of the Day

n25 = 0.25 x N

(n25 – rounded up)

8.4.1 Racing Task

a. Day Parameters:

$P_m = \text{the least of: } 1000 \text{ or: } 1250 \times (\underline{D_q - D_e} / D_1) - 250 \text{ or: } (400 \times T_o) - 200$

$F = \text{the lesser of } 1 \text{ and } (1.25 \times n_1 / N)$

$FCR = \text{the lesser of } 1 \text{ and } (1.2 \times (n_2/n_1) + 0.6)$

$P_{vm} = 2/3 (n_2 / N) \times P_m$

$P_{dm} = P_m - P_{vm}$

(...)

8.4.2 Assigned Area Task

a. Day Parameters:

$P_m = \text{the least of: } 1000 \text{ or: } 1250 \times (\underline{D_q - D_e} / D_1) - 250 \text{ or: } (400 \times T_o) - 200$

$F = \text{the least of } 1 \text{ and } (1.25 \times n_1 / N)$

$FCR = \text{the lesser of } 1 \text{ and } (1.2 \times (n_2/n_1) + 0.6)$

$P_{vm} = 2/3 (n_2 / N) \times P_m$

$P_{dm} = P_m - P_{vm}$

Type the reasons in the space below:

In typical racing task, when most of pilots has finished the task, distance considered in the formula is not the result of the winner only, but of the last finisher too, so usually more than one pilot. Different situation is in AAT or when RT has few finishers or no finishers at all. In such a case single top result may substantially distort value of the task by increasing top score. In other words one lucky pilot may substantially increase value of the day intentionally or not. Implementation of the above formula would allow a better expression of particular task significance by depending it on not only one but a few top results. This intermediate calculation has been introduced a few years ago in Polish national rules and its positive effects can easily be checked at Soaring Spot.

Continue on the next page(s) if necessary

Provide supporting data or reference to external documents for the proposed technical amendments in the space below:

Simulation of the application of proposed rules can be found at <https://sailplane.racing/>
Results of Polish competitions demonstrating this factor can be found at https://www.soaringspot.com/en_gb/search/?q=poland

The proposal should be applicable from: October 2020

Sporting Code Volume: Annex A to Section 3 – Gliding

Version/Edition: 2018

Heading of section: PART 8 SCORING AND PENALTIES

Number & heading of the paragraph:

8.3.1 Championship Days

8.4.1 Racing Task

8.4.2 Assigned Area Task

Page number(s) if appropriate: 34, 36

See the next page!

Approved Amendment (if applicable):

Final Wording of Proposal:

Overall Votes Cast: For: Against: Abstain:

ADOPTED: Yes: No: