

CIVL Plenary 2021 proposal

From Bulgarian NAC

Summary of the proposal

Competition venues and tasks are very different and decision making in these different conditions has different importance. To account for this different importance – **we propose Leading Points - Time Points ratio to become definable parameter for every task.**

Current status of the rules

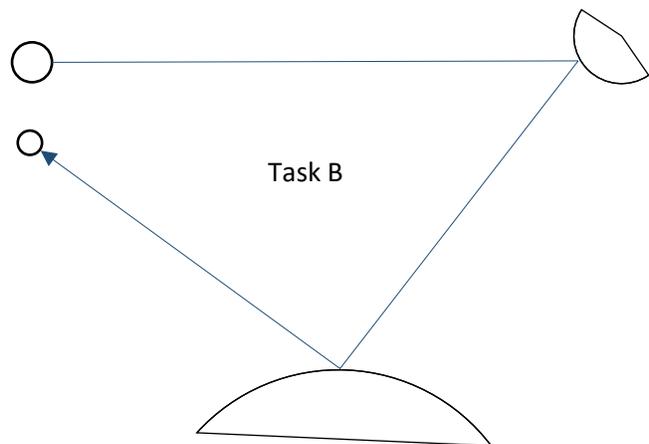
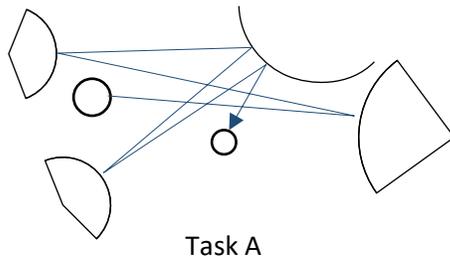
The Leading Points weight is defined as a constant ratio in Sporting Code Section 7F point 10. The current definition for paragliding is:

$$\text{DistanceWeight} = 0.805 - 1.374 * \text{GoalRatio} + 1.413 * \text{GoalRatio}^2 - 0.484 * \text{GoalRatio}^3$$

$$\text{LeadingWeight} = 0.162$$

$$\text{TimeWeight} = 1 - \text{DistanceWeight} - \text{LeadingWeight}$$

The current concept is scoring parameters to be chosen and fixed before the competition start and stay the same for all tasks. Considering the huge variations of possible task configurations (see the drawing) we think that fixed Leading Points is not always fair. In the example below Task "A" has more overlapping legs than Task "B" therefore in Task "A" speed is much more important than leading comparing to Task "B"



Motivation for change

- 1 Current fixed Leading weight is not perfect: it is possible if a small number of pilots finish the task – pilot who did not finish the task to win it.
- 2 Fairer task scoring in cases when speed is more important than leading (decision making).
- 3 Fairer task scoring in cases when leading (decision making) is more important than speed.
- 4 Better chance for MDs to experiment with leading in Category 2 events and gain experience that could help in future decisions for Category 1 events.

Proposed changes in the rules

- 1 In Section 7A point 5.2.3 to be added new bullet with the text “(for Paragliding only) Leading – Time points ratio”.
- 2 In Section 7F point 6.1.1 to be added sub-point 9 with the text “(for Paragliding only) Leading – Time points ratio”.
- 3 In Section 7F point 10 formula for Paragliding “DistanceWeight = 0.805 -1.374*GoalRatio +1.413*GoalRatio^2 -0.484*GoalRatio^3” to be changed back to “DistanceWeight = 0.9 - 1.665*GoalRatio +1.713*GoalRatio^2 -0.587*GoalRatio^3”.
- 4 In Section 7F point 10 formula for Paragliding “LeadingWeight = 0.162” to be changed to “LeadingWeight = (1 – DistanceWeight) * LTR where LTR is Leading – Time ratio”.

Consequences of the proposed changes

If this proposal is accepted – the following will happen:

- Usually at the beginning of a Category 1 even there is a meeting of all Team Leaders. At this meeting are discussed and set scoring parameters that will be used during the event. If this proposal is accepted – Team Leaders will have to discuss and decide about the Leading – Time ratio (whether it will be fixed for the competition or it will be in some suitable limits according to the venue and possible task configurations, if fixed – on what proportion).
- Meet Director will have to think about what Leading – Time ratio is fair for the daily task.
- Meet Director will have to write on the task board the daily value of the ratio.
- Competition scorer will have to write one additional parameter when preparing daily task for scoring.
- Small changes in FS will be necessary to allow arbitrary definition of the ratio.

Date: 7 December 2020

Daniel Dimov, email: danieldimov@gmail.com, phone: +359 899 915 696