Proposal from Bulgarian NAC

Go back to proportional Leading and Time Weight

The problem:

Currently the Leading Weight is fixed to 0.162. On the contrary - the Time Weight depends on the Goal Ratio (what % of the pilots made goal). The lower Goal Ratio is - the lower Time Weight is. There is a Goal Ratio at which Time and Leading Weight will be equal (equal amount of LPs and TPs will be available) and if the Goal Ratio is lower than this - the available TPs will be less than the available LPs. In this case it becomes possible a pretty awkward situation: the best pilot in the task is not the first in the ranking.

The solution:

The solution is very simple - go back to the original GAP concept: Time Weight and Leading Weight are always proportional. To match what is currently widely acceptable as a maximum available LPs - formula for Distance Weight must go back to what it was before 2018 and the ratio between LPs and TPs must be 26% : 74%. This will lead to maximum available LPs ~ 162.

Proposed changes:

Revert the Distance Weight formula to:
DW = 0.9 - 1.665*GR + 1.713*GR*GR - 0.587*GR*GR*GR
Where GR is the Goal Ratio (NoOfPilotsMadeGoal / NoOfPilotsFlying)

Define the term (or parameter) Leading-Time Ratio.

Change the Leading Weight formula to:
LW = (1 - DW) * LTR
Where LTR is the Leading-Time Ratio expressed in %

Set the default value for Leading-Time Ratio to 26%

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