



Operator Self-Certification Aircraft Performance and/or Weight & Balance Calculator

Operator: _____

Brand and version of calculator for which approval is sought: _____

Calculator will perform: Performance Weight & Balance

Performance section

- | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
| 1. Does the calculator use all four segments to calculate the takeoff profile? | Y | N |
| 2. Is the Distant Obstacle chart ¹ utilized to determine the net 2 nd segment value to use? | Y | N |
| 3. Does the transition segment remain above the required gradient? | Y | N |
| 4. Does the 2 nd segment terminate at or below the distant obstacle ¹ chart maximum height or as limited by the AFM? | Y | N |
| 5. When calculating climb gradient clearance, does the calculator account for close-in obstacles by raising the reference height from 35ft to 70ft? | Y | N |
| 6. Does the calculator account for turns greater than 15 degrees along the departure procedure? | Y | N |

Weight & Balance section

- | | | |
|--------------------------------------------------------------------------------------------------------|---|---|
| 1. Does the calculator depict the CG shift due to fuel burn for the entire flight? | Y | N |
| 2. Does the calculator automatically curtail the CG envelop when using standard versus actual weights? | Y | N |
| 3. Does the calculator depict the actual seat location of each passenger? | Y | N |

Applicant Certification - I certify that the information provided by me on this application are complete and true to the best of my knowledge, and I agree that they are considered as part of the basis of issuance of any FAA certificate to me.

Name

Date

¹ Citation uses the "Single-engine Takeoff Path for 1st and 2nd Segment" table in lieu of distant obstacle charts.