Performance

Conditions: Classroom Setting

Objective: Introduce the factors that affect aircraft Take-off and Landing Performance. Explain how to use performance charts and demonstrate a sample problem.

Notes & Comments

To Find Density Altitude = Pressure Altitude + [120 x (OAT - ISA Temp)]

Completion Standards

- ❑ Understands the factors that can affect aircraft performance
- ❑ Can Obtain Take-off & Landing distance information using performance charts.
- ❑ Completes a practical sample problem using live data and a familiar airport.

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Preparation for Ground Training

10- Min

- ❑ Aircraft POH
- ❑ Chart Supplement
- ❑ Current Weather Info
- ❑ Calculator
- ❑ White Board / Markers

Factors that affect Take-Off & Landing Performance

10- Min

- ❑ Aircraft Gross Weight
- ❑ Air Pressure
- ❑ Temperature
- ❑ Wind Direction & Velocity
- ❑ Runway Gradient
- ❑ Runway Surface
- ❑ CG Location

Treasure Map to Take-Off & Landing Distances

40- Min