Preflight Weather Worksheet

Embry-Riddle Aeronautical University
Preflight Weather Worksheet

**BIG PICTURE**
1. Do you have any red areas of IFR activity along your flight route?  YES  NO
2. Do you have any orange areas of turbulence along your flight route?  YES  NO
3. Do you have any blue areas of MVFR activity along your flight route?  YES  NO
4. What is the freezing level for your flight route? __________________________
5. Are you flying above the freezing level?  YES  NO
6. Is there a pressure system in your flight route area?  YES  NO
7. Is there a front in your flight route area?  YES  NO
8. Which hour forecasts did you access? __________________________
9. Is there a pressure system forecasted in the area of your flight route?  YES  NO
10. Is there a front forecasted in the area of your flight route?  YES  NO
11. Is there precipitation forecasted in your flight route area?  YES  NO
12. What is the probability of that precipitation? __________________________
13. Are there clouds near your route of flight?  YES  NO
14. Are there clouds approaching your route of flight?  YES  NO
15. What gray shade is the color of the activity (clouds) in your flight route area? ___________________
16. Is there precipitation currently on your route of flight?  YES  NO
17. Is there precipitation approaching your route of flight?  YES  NO
18. What is the DBZ for the most severe precipitation near your flight route? __________________________

**HAZARDS**
19. Does your route of flight take you through or close to a Convective SIGMET?  YES  NO
20. Is there a Convective Outlook valid around your flight route area?  YES  NO
21. Is there cell movement towards your flight route?  YES  NO
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Answer the following G-AIRMET questions:

Tango

22. Is there activity in your area? YES NO

What type of turbulence is present?

Turbulence Top Layer

Turbulence Bottom Layer

What type of windshear is present?

Ice

23. Is there icing at your flight altitude? YES NO

24. Range where icing starts

25. Where icing ends

Freezing Level

26. What is the freezing level?

Is it below or above sea level?

Sierra

27. Is there activity in your area? YES NO

What type of activity is present?

Visibility

28. What is the wind speed and direction for your departure airport?

29. What is the visibility for your departure airport?

30. What is the ceiling for your departure airport?

31. What is the cloud coverage (sky condition) for your departure airport?

32. What is the wind speed and direction for your enroute airport?

33. What is the visibility for your enroute airport?

34. What is the ceiling for your enroute airport?

35. What is the cloud coverage (sky condition) for your enroute airport?

36. What is the wind speed and direction for your destination airport?

37. What is the visibility for your destination airport?

38. What is the ceiling for your destination airport?

39. What is the cloud coverage (sky condition) for your destination airport?

40. What is the wind speed and direction?

41. What is the visibility?

42. What is the ceiling?

43. What is the cloud coverage?