

Instrument Pilot: Checkride**[Fly This Checkride Now](#)**

In this checkride, you will demonstrate the skills learned in the Instrument Rating lessons category.

ESTIMATED TIME TO COMPLETE

45 minutes

REQUIRED KNOWLEDGE/SKILLS

You should complete all instrument Rating lessons and solo flights before starting this checkride.

THE WEATHER

Expect to encounter changing weather, but most of the flight will occur in cloudy conditions. The winds are light today.

RECOMMENDED CHARTS

- [Chart 1](#)
- [Chart 2](#)

ABOUT THE FLIGHT

This checkride tests the skills learned in the Instrument lessons. You will follow instructions given to complete a VOR approach, missed approach, holding, and a full ILS approach. If you complete all tasks satisfactorily, you will be awarded with the Flight Sim Instrument Rating certificate.

The examiner will assess your ability to perform a non-precision (VOR) approach to a missed approach, hold at a VOR, perform a procedure turn, and complete an ILS approach in Instrument Meteorological Conditions (IMC).

The examiner will expect you to set the NAV and ADF radios to the proper frequencies for the VOR and ILS approaches. You must also set the OBS appropriately. Feel free to pause the simulation if you need extra time to tune radios, or set OBS course or heading bug.

The autopilot is disabled during this checkride.

KEY COMMANDS TO REMEMBER

All key commands used to fly the Cessna 172 in the Instrument Rating lessons.

FLIGHT CRITERIA

In this checkride, you're expected to comply with the tolerances listed in the following table. Also, you must not descend below the minimum altitude shown on the chart in each phase of the approach in order to pass this checkride.

Criteria	Event	Tolerance
Overall Criteria	Altitude	+/- 100 feet as assigned
	Airspeed	+/- 10 knots as assigned
	Heading	+/- 10 degrees as assigned
	Course	+/- 2 degrees
Section 1	Set up for VOR approach	Set NAV1 radio within 30 seconds
		Set NAV1 radio to correct frequency
		Maintain 066 degree heading to FACTS
	Fly VOR approach	Intercept 338 degree course
		Cross MILLT intersection above 3000 feet
		Cross ODD NDB outermarker above 1600 feet

		Do not fly below 840 feet on approach
		Cross SEA VOR above 840
	Execute missed approach	Begin climb when prompted
		Climb to 2100 feet
		Maintain 339 degree course
		Cross PARKK intersection
Section 2	Proceed direct to SEA at 3000 feet	Turn left
	Set up for holding	Set NAV1 radio within 30 seconds
		Set NAV1 radio to correct frequency
		Climb to 3000
		Cross SEA VOR on any heading
	Enter holding	Crosses SEA on 140 degree course inbound
		Perform standard rate right turn in holding
		Fly 1 minute straight and level
		Right turn to intercept 140 degree course inbound
		Cross SEA VOR
Section 3	Proceed to NOLLA	Flies outbound on 326 degree course
	Set up for ILS approach	Set NAV1 radio within 30 seconds
		Set NAV1 radio to correct frequency
	Begin ILS	Cross NOLLA outer marker
		Track localizer outbound
Section 4	Perform procedure turn	Turn left to 265 degrees
		Fly 60-90 seconds on heading
		Turn right to 085 degrees in a standard rate turn
		Intercept localizer inbound
	Fly ILS approach	Stay on localizer
		Intercept glideslope
		Stay on glideslope
		Stay on ILS to 300 feet
Section 5	Land the aircraft	Touch down on runway
		Come to full stop on runway

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