

Stage II - Instrument Rating

Flight Lesson 21

Lesson Objective:

- Review full panel instrument approach procedures for precision and non-precision approaches.
- Introduce the student to the procedure for an approach with a loss of the primary flight instrument indicators.
- Introduce the student to no-gyro radar vectoring and approach procedures.

Review:

	Satisfactory	Needs Improvement
VOR Approaches _____	<input type="checkbox"/>	<input type="checkbox"/>
GPS Approaches _____	<input type="checkbox"/>	<input type="checkbox"/>
NDB Approaches _____	<input type="checkbox"/>	<input type="checkbox"/>
ILS Approaches _____	<input type="checkbox"/>	<input type="checkbox"/>
Localizer Approaches _____	<input type="checkbox"/>	<input type="checkbox"/>
Landing From a Straight-In or Circling Approach Procedure _____	<input type="checkbox"/>	<input type="checkbox"/>
Intercepting and Tracking DME Arcs (based of aircraft equipment) _____	<input type="checkbox"/>	<input type="checkbox"/>
Visual Descent Point _____	<input type="checkbox"/>	<input type="checkbox"/>
Land and Hold Short Operations _____	<input type="checkbox"/>	<input type="checkbox"/>

Introduce:

Approaches with Loss of Primary Flight Instrument Indications _____	<input type="checkbox"/>	<input type="checkbox"/>
Approach with Loss of Primary Flight Instrument Indicators _____	<input type="checkbox"/>	<input type="checkbox"/>
No-Gyro Radar Vectoring and Approach Procedures _____	<input type="checkbox"/>	<input type="checkbox"/>
Partial Panel Non-Precision Approach Procedures _____	<input type="checkbox"/>	<input type="checkbox"/>
Partial Panel Precision Approach Procedures _____	<input type="checkbox"/>	<input type="checkbox"/>
Missed Approach Procedure with Loss of Primary Flight Instrument Indicators _____	<input type="checkbox"/>	<input type="checkbox"/>

Completion Standards:

- During ILS approaches, the student should demonstrate accurate localizer interception and tracking and make a transition to the glide slope at the correct point.
- The glide slope and localizer should be maintained with no more than three quarter-scale needle deflection.
- During the non-precision approaches, the student should maintain an altitude ± 200 feet on the initial and intermediate approach segments.
- On the final approach segment, the student should maintain an altitude that is not more than 100 feet above the MDA.
- The student will exhibit understanding of the procedures used to perform no-gyro radar vectoring and approaches and partial panel approach and missed approach procedures.

Pre _____, Post _____, PIC _____, Dual _____, Inst. _____, XC _____, Solo _____, Night _____, Day Land _____, Night Land _____

Aircraft Tail # _____

Instructor _____

Date _____

Student _____

Date _____