

FLT 17: VOR & LOC Approaches

INSTRUMENT	CROSS-COUNTRY	GROUND
1.2	-	1.0

REFERENCES

- VII.B. Holding Procedures
- VIII.A. Non-Precision Instrument Approach
- VIII.C. Missed Approach Procedures
- VIII.X. Procedure Turns
- [Aeronautical Chart User's Guide](#)

OVERVIEW

In this lesson, review VOR and LOC approach concepts and procedures and introduce the learner to missed approach procedures and full approach procedures. Airborne, plan for the learner to fly two VOR and LOC approaches, including a missed approach to a hold as well as a full approach procedure.

NOTES

-Tied (∞) to GND 10: Instrument Approach Procedures

-Lessons 12-16 focused on holds while touching on approach procedures (generally 3 holds with 1 approach), while lessons 17-22 will focus on approaches while touching on holds (3-4 approaches with 1 hold).

PLAN OF ACTION

Ground Discussion

- VOR & LOC approach procedures, as required (VIII.A.)
 - Approach plate review (Aero Chart User's Guide)
 - Approach procedures & brief (FFIIMMMMS)
 - VDP
- Missed approach procedures, as required (VIII.C.)
- Procedure turns, as required (VIII.X.)
- Flight overview
 - Airport diagram
 - Enroute charts
 - Approach charts
- Expectations & responsibilities (learner & instructor)
- What the learner should learn

Pre-Flight

- IFR flight plan
- Weather briefing, NOTAMs, TFRs, etc.
- IFR clearance
- Setup nav aids & comms

Instrument Flight

- VOR approach 1
 - Radar vectors
- VOR approach 2
 - Missed approach to a hold
- LOC approach 3
 - Radar vectors
- LOC approach 4
 - Full procedure
 - Backup with GPS
 - Landing from an instrument approach

Post-Flight

- Review the flight
- What went well?
- What can be improved?
- What's next

OBJECTIVE / COMPLETION STANDARDS

The learner can perform VOR and LOC approach procedures, with and without the autopilot. They can tune, identify, and monitor the proper frequency, apply the 5 T's, level off at or above the approach altitudes and MDA (+100' / - 0'), recognize the VDP, MDA, and MAP, and perform missed approach and holding procedures. The learner handles the radio calls and approach clearances with some instructor assistance.