

## Flight Lesson: Approach Procedure Fundamentals

### Objectives:

1. exhibit knowledge of the elements related to Approach Procedures
2. ability to properly interpret and comply with Approach Clearances
3. ability to interpret read non-precision approach plates correctly

### Schedule:

Activity	Est. Time
Ground	1
Simulator	2
Debrief	0.25
<b>Total</b>	<b>3.25</b>

### Recommended Readings:

<b>IFH</b>	Ch. 8: 8-12 to 8-32: Instrument Approach Procedures
<b>AOPA</b>	<a href="http://flash.aopa.org/asf/ifrinsights_charts">http://flash.aopa.org/asf/ifrinsights_charts</a>

### Elements Ground:

#### • Approach Procedure Fundamentals

##### • purpose

##### • types

- non-precision
- precision
- visual approaches
  - visual vs contact
- radar approaches
  - ASR vs PAR

##### • elements

- arrival Segment
- IAF -> initial approach segment
- IF -> intermediate approach segment
- FAF -> final approach segment
- MAP -> missed approach segment

##### • charting

- NACO vs Jeppesen
- sections
  - margin identification
  - pilot briefing and notes
  - plan view

- MSA, TAA
- profile view
- landing minimums
  - straight in vs circle to land
    - > 30° of rwy, or > 400 fpm desc
- airport diagram
- naming convention
  - rwy in title if 30° alignment
  - letter in title if no straight-in (A,B,...)
  - rev letter in title if multiple straight in (Z,Y,...)
  - R,L,C for parallel runways
  - nav systems in title show required equipment

#### • Approach Clearances

- clearance authorization vs pilot responsibility
- vectors to final
  - approach gate
- non radar environment (or own nav)
  - starts at IAF

## **Approach Clearance Examples**

“maintain 2,000 until established on the final approach course outbound, cleared VOR/DME runway 12”