

Instrument Flying Groundschool

Lesson 1: Introduction and Overview

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Course Structure

- Introduction to the course and IFR flying
- Flight planning
- Departures
- En Route
- Arrivals
- Approaches 1, 2 and 3

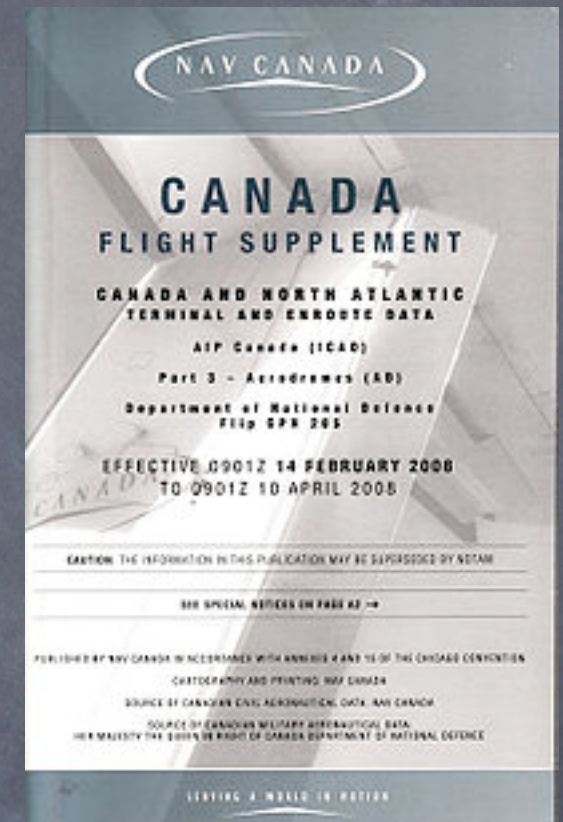
Each a 90 minute lesson

Requirements

You will need:

- A LO5/6 Chart
- A Canada Air Pilot (CAP) 4: Ontario
- A Canada Air Pilot (CAP) General Pages
- A Canada Flight Supplement
- A copy of the Instrument Workbook

All of these need to be up-to-date.



Prerequisite Knowledge

- An understanding of the LO chart as would be gained at a CPL groundschool
- An ability to read weather reports and forecasts

Lesson 1: IFR Overview

Target for this evening:
provide you with the tools to
prepare an IFR flight from
Waterloo, Ontario to Ottawa,
Ontario.

For homework you will
complete the flight preparation
and we will “fly” it next lesson.

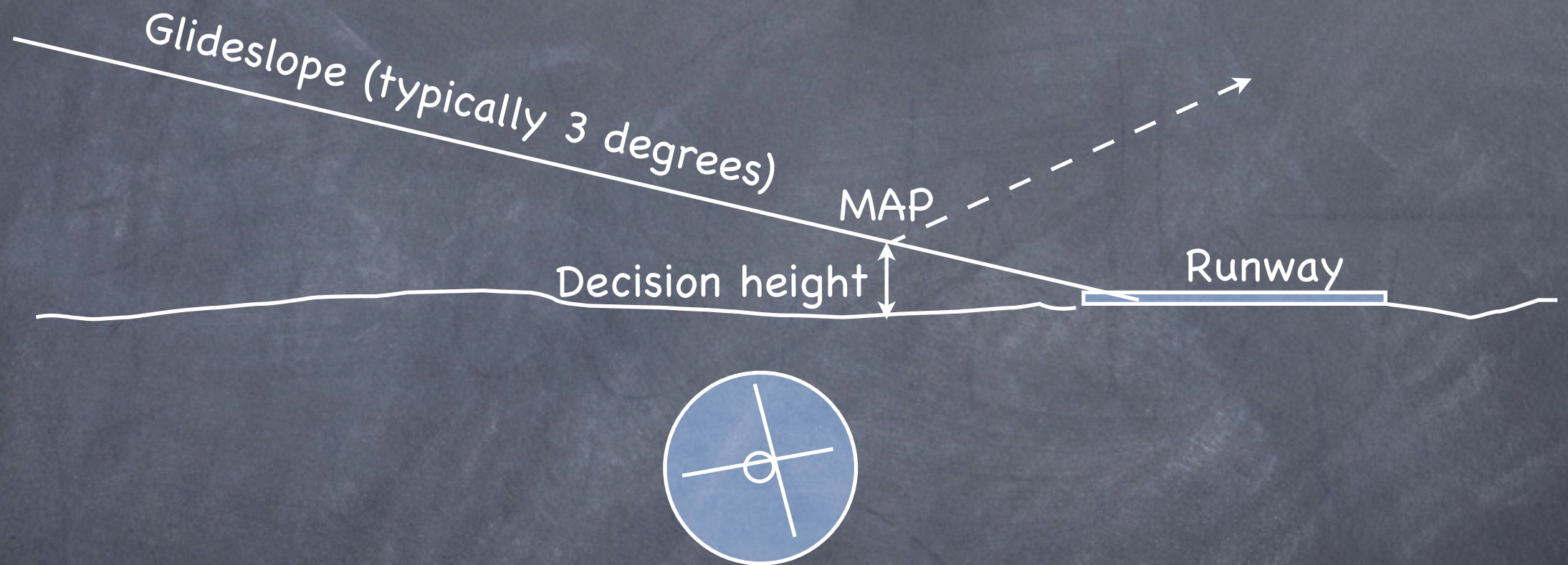
Terminology

Precision Approach: one with both vertical and horizontal guidance

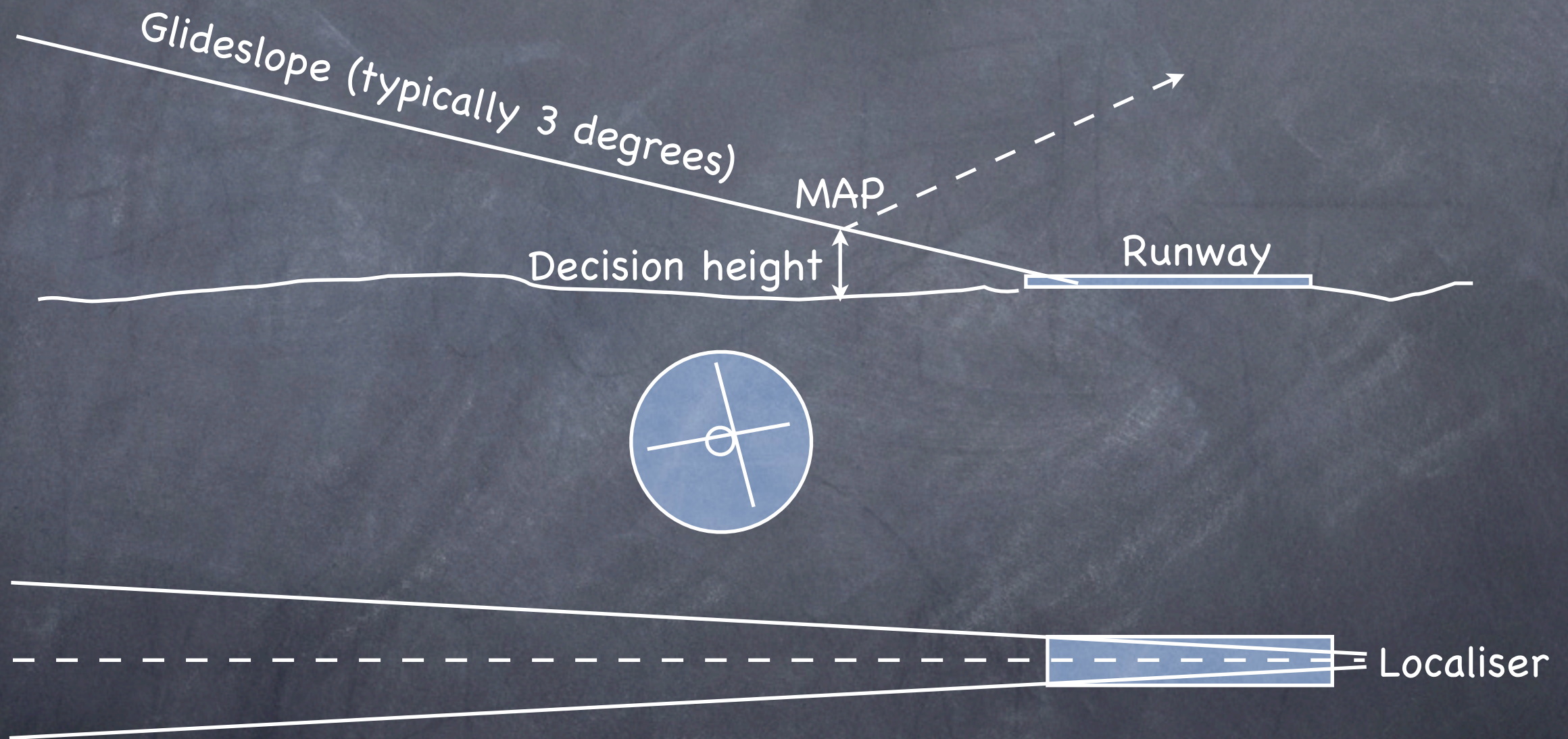
Non-Precision Approach: one providing only horizontal guidance

Localiser Precision with Vertical Guidance (LPV): WAAS GPS Approach

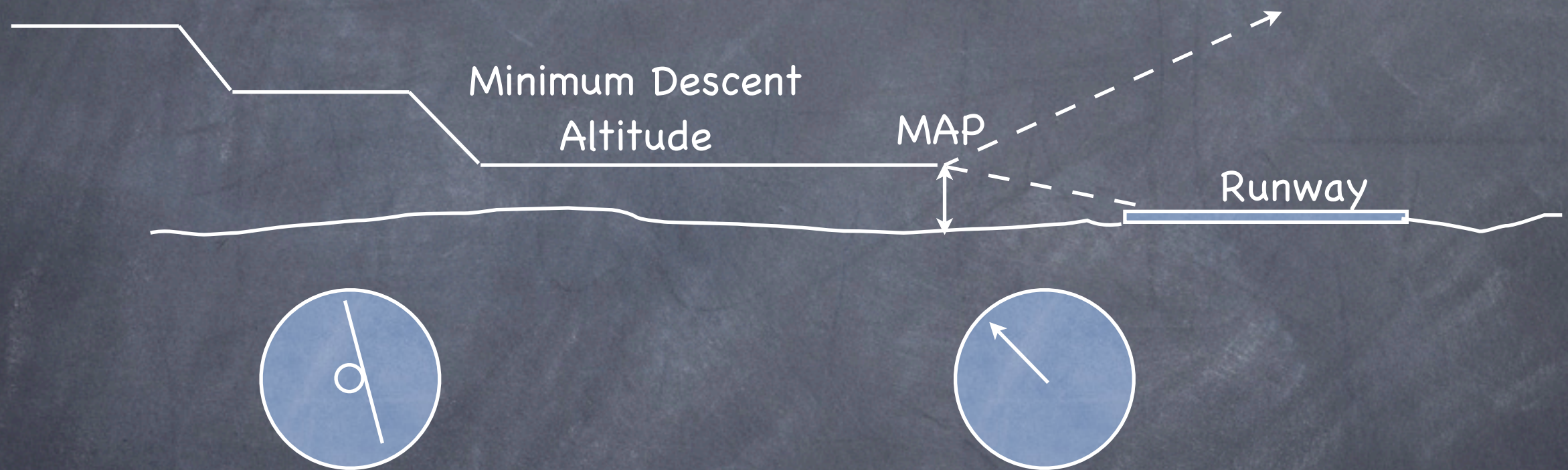
The Precision Approach



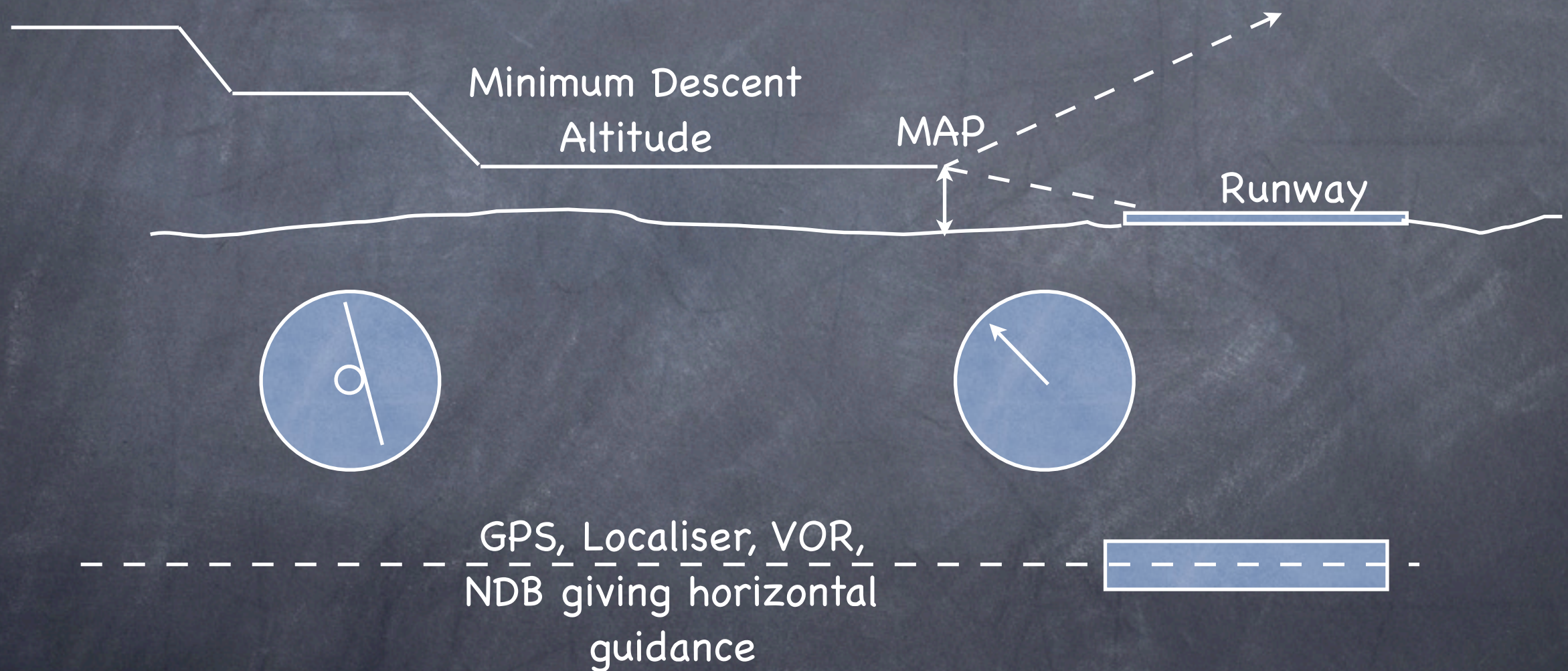
The Precision Approach



The Non-Precision Approach



The Non-Precision Approach



Preparation for Flight

- ② LO charts
- ② Preferred Routes
- ② NOTAMs
- ② PIREPs
- ② Alternate Airports

Preparation for Flight

- LO charts
- Preferred Routes
- NOTAMs
- PIREPs
- Alternate Airports

And Additional
Checks

During Walk-Around:

- ✓ Pitot Heat
- ✓ Alternate Static