ADF/ NDB Systems

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Overview

• What ADF and NDB stand for
• How ADF and NDB work
• Who uses ADF and NDB
• A few cool looking photos
• Review
• Works cited
• ADF= Automatic Direction Finder
• ADF very handy for flying IFR in some places
More on ADF

• ADF is the airborne receiver of an NDB signal
The NDB

• **NDB**= Non-directional Radio Beacon
• A low or medium radio frequency
• ADFs can receive NDB signals
• Pilot can orient using NDB/ADF information
NDB = LOM sometimes

- NDB are often part of an ILS
- NDB co-located with ILS outer marker
  - Localize Outer Marker – LOM
- NDB is sometime a FAF, good for PTs
NDB/ADF Uses

- Area Navigation (usually within 25 NM)
- Often for IAFs, FAFs, and LOMS
- Listening to Civil radio
  - ADF operates in same frequency band as most AM stations
Sum It Up!

- ADF = Automatic Direction Finder
- NDB = Non-Directional Beacon (Radio)
- NDB/ADF part of many instrument approaches – but FAA phasing out NDBs
  - FAA expects to decommission nearly all NDBs by 2009-2010
Works Cited

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