

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

- 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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