

## Objectives: Radio Navigation (VOR and Radar)

- practical use of radio for in flight navigation

## Equipment:

- Chalkboard or paper and pencil

## Elements:

1. Ground - Radio Navigation - VOR
  - **WHERE** Going to (TO) or going away (FROM)
  - **WHAT** Frequency to use for XYZ VOR, and identify
  - Determine VOR to use off chart
  - Enter correct frequency
  - Clearly identify the VOR
  - Always be alert, watch for needle movement off course, TO/FROM change
2. Ground - Radar Services
  - Try ATC freq in area, if available for flight following
  - Check on/off/standby/ALT, fuses, etc.
  - Radar vectors
  - VHF/DF (for DF steer) will be listed in AFD for facilities that have it
  - Call last ATC if possible (good reason to write down all freq changes, so you know the last)
  - 7600 lost comm, 7500 general emergency

## Common Errors:

- Incorrect frequency
- Failure to identify VOR and position TO/FROM
- Transponder not to ALT
- Confusion due to improper terms, or misunderstanding (not using phonetic alphabet)

## References:

AIM

Jeppesen Private Manual 5-1 to 5-34

## Possible Review Questions:

1. If you have just crossed over a VOR, and it is behind you, you should see a \_\_\_\_\_ indication.
2. For normal use, your heading should be near or match the VOR radial selected? T/F
3. If receiving flight following with ATC, and you are lost by outside reference, what can you do?

## Key Frequency for WVI area:

FSS: Oakland Radio: 122.2

ASOS: 132.175

SNS VOR: 117.3

ATC: Norcal Approach: 127.15

CTAF: 122.8