Blackhawk Flying Club **5/25/2007**
VOR Receiver Check
FAR 91.171

VOT (FAA VOR Test Facility)

Tune to the VOT frequency located in the Airport Facility Directory. The VOT radiates the 360 degree radial (360-From) in all directions. Center the CDI. The omni bearing must read 356-From to 004-From, or 176-To to 184-To.

FAA Ground Checkpoint

Taxi to ground checkpoint and tune to the frequency specified in the Airport Facility Directory. Tune the VOR to the radial (Degrees-From) specified in the Airport Facility Directory. The CDI must be within +/- 4 degrees (+/- 2 dots) of the specified radial.

FAA Airborne Checkpoint

If a VOT or ground checkpoint is not available, tune to the frequency specified in the Airport Facility Directory. Fly over the point at the altitude specified in the Airport Facility Directory and center the CDI. The omni bearing must read within +/- 6 degrees of the specified radial.

Airborne Checkpoint (alternate)

If an FAA airborne checkpoint is not available, select a VOR radial along the centerline of an established VOR airway. Select a prominent ground point more than 20 nm from the VOR facility on the radial. Fly directly over the top of the ground point and center the CDI. The omni bearing must read within +/- 6 degrees of the selected radial.

Dual VOR Check

Tune both VOR's to the same FAA ground facility frequency specified in the Airport Facility Directory. Center the CDI's on both VOR's. The difference between the two omni bearing readings must be less than 4 degrees.

Course Sensitivity Check (not required)

Center the CDI and note the indicated bearing. Turn the OBS until the CDI lies over the 5th dot (10 degrees). The difference between the centered reading and the reading at the 5th dot should be between 10-12 degrees.

Recording Test

Each person making the VOR receiver check shall enter all information located in the VOR logbook located in the aircraft (date, place, bearing error, signature, etc).

Prior to IFR operations, a VOR receiver check must be made and recorded within the preceding 30 days. Refer to the Airport Facility Directory for the FAA ground checkpoint at Chicago/Rockford Airport (location: intersection of taxiways ABD, frequency: 110.8, radial: 108 degrees).