Overview

- How VOR Works
- VOR Transmissions
- VOR Ranges
- VOR Indicator
- TO/FROM /Off Course Indications
The VOR Station transmits two signals at the same time.
VOR Transmissions

- "A" and "B" Signal Received
- Only "A" Signal Received
- Only "B" Signal Received
- Neither "A" or "B" Received

VOR Station "A"  VOR Station "B"
## VOR Ranges

<table>
<thead>
<tr>
<th>VOR Class</th>
<th>Range NM</th>
<th>Within Altitude (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terminal (T)</td>
<td>25</td>
<td>1000 – 12,000</td>
</tr>
<tr>
<td>Low Altitude (L)</td>
<td>40</td>
<td>1000 – 18,000</td>
</tr>
<tr>
<td>High Altitude (H)</td>
<td>40</td>
<td>1000 – 14,500</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>14,500 – 60,000</td>
</tr>
<tr>
<td></td>
<td>130</td>
<td>18,000 – 45,000</td>
</tr>
</tbody>
</table>
How VOR Indicator Works

A. Rotating Course Card
B. Omni-directional Bearing Set - OBS
C. Course Deviation Indicator - CDI
D. TO/FROM Indicator
TO Indication

- 345° Radial
- Omni

[Diagram of a compass with the needle pointing towards 345° and the term 'OBS' marked on the dial]
FROM Indication

345° Radial

Omni

3 4 5
VOR Off Course

- 345° Radial
- Omni
- Desired Course
Summary

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References

- [http://www.flightsim.com/howto/vorxmit.jpg](http://www.flightsim.com/howto/vorxmit.jpg); Copyright © 1998 by FlightSim.Com