

TVOR-RACAN, Fixed (VORTAC, Fixed). FAC: 1341

CATCODE: 134511

OPR: AFFSA

OCR: AFNIC, AF/A3O, AFCEC/COS

1.1. Description. Navigation aids consisting of collocated TACAN and VOR facilities are known as VORTACs. They provide bearing information on both VHF and UHF bands plus compatible DME. This enables aircraft equipped with either TACAN or VOR/DME to make use of the navigational guidance.

1.2. Requirements Determination. Air Force policy requires that TACAN and VOR stations located on the same base and permanently required to support operational missions should be collocated and operated as VORTACs. This enables pairing of facility frequencies according to an established schedule and allows substantial maintenance savings and other ancillary cost savings.

1.3. Scope Determination. VORTAC facilities are usually made up of facilities whose antennas are vertically stacked and thus identically located, but antennas located within 30 m (100 ft) of one another are considered collocated, for terminal use. For other than terminal use, antennas are considered to be collocated when within 600 m (2,000 ft) of one another.

1.4. Dimensions. See UFC 3-260-01.

1.5. Design Considerations. If used as a terminal aid for instrument approach procedures, align both the VOR and TACAN radials of the VORTAC in the same direction. When collocated, the AN/FRN-45 TACAN and the AN/FRN-44 VOR become the AN/FRN-43 VORTAC.