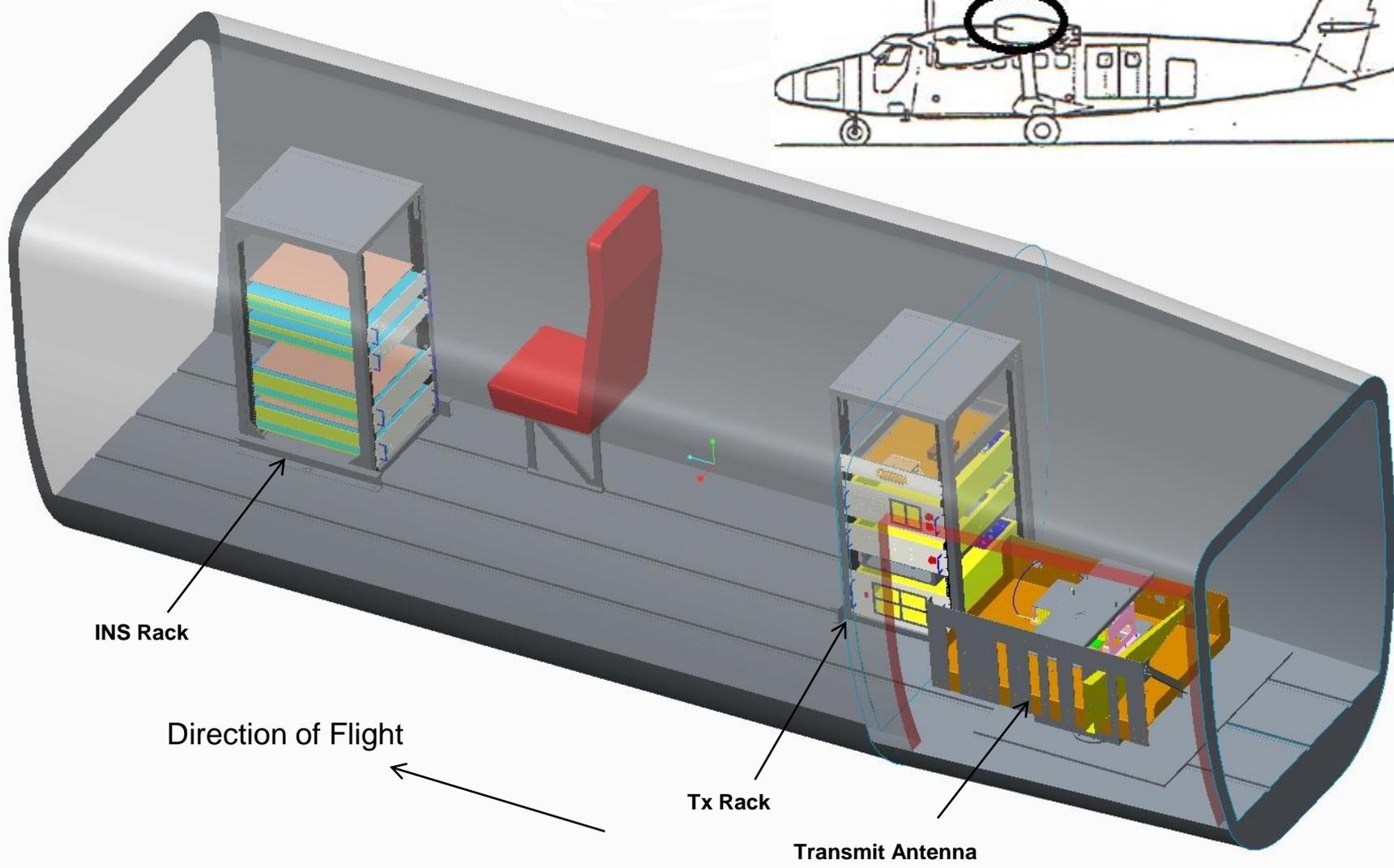
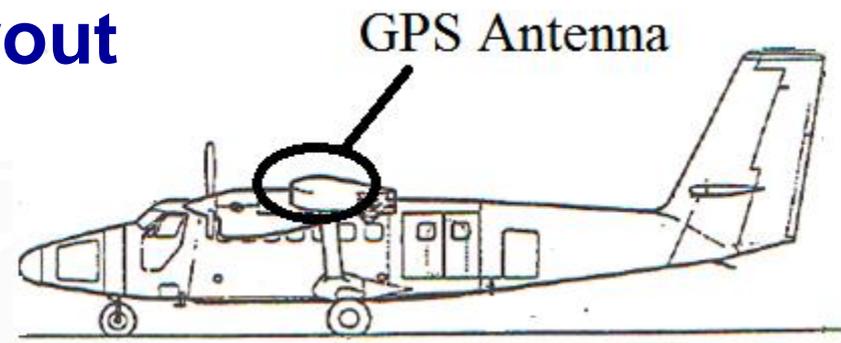


Antenna Orientation Exhibit

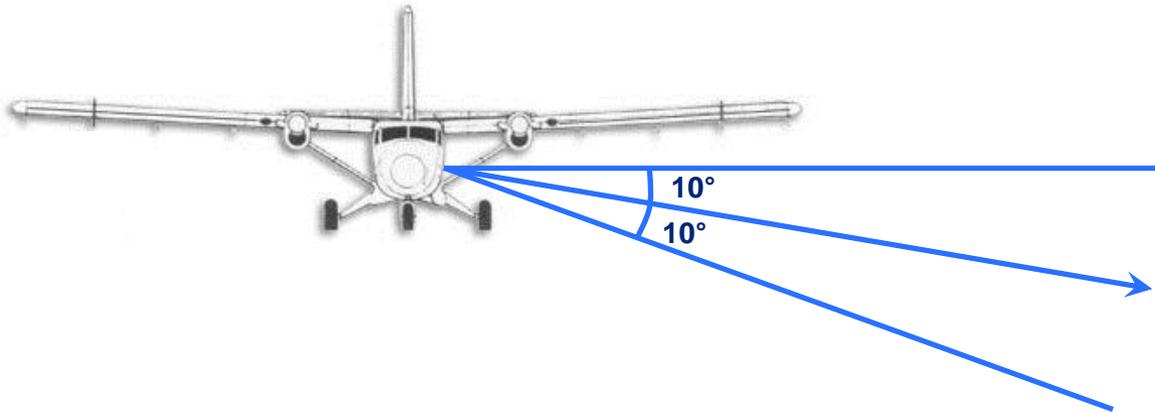
STA Confirmation Number: EL252618

STA File Number: 0651-EX-ST-2012

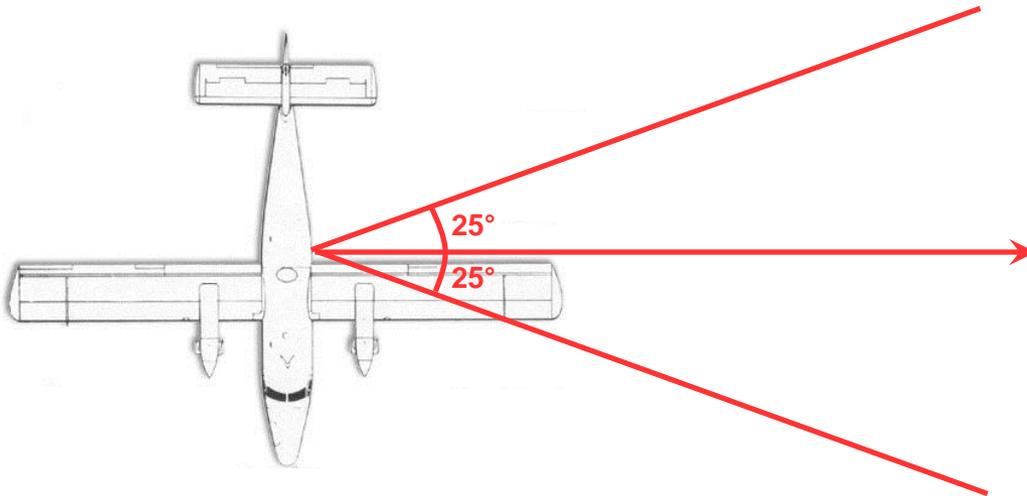
Transmitter Platform Layout



Transmit Antenna Orientation



Elevation Pointing
Boresight: 10° Down from horizontal
Gimble steering limits: +/- 10°



Azimuth Pointing
Boresight: 90° from aircraft centerline
Gimble steering limits: +/- 25°

**All steering limits are based on design calculations
Aircraft integration experience may modify the limits, boresight will remain the same**