

ATTACHMENT 16 Operations in North Atlantic (NAT) Minimum Navigation Performance Specifications Airspace

This attachment was established in accordance with Article 134 of this AOR proper, and the ICAO Doc.7030.

Section 1

The MNPS shall be applicable in that volume of airspace between FL 285 and FL 420 within the Oceanic Control Areas of Santa Maria, Shanwick (to the east boundary), Reykjavik (to the west boundary), Gander Oceanic (to the west boundary) and New York Oceanic (to the west boundary), excluding the area west of 60°W and south of 38°30'N.

Section 2

For flights within MNPS airspace specified in Section 1, aircraft shall have lateral navigation performance capability such that:

1. The standard deviation of lateral track errors shall be less than 11.7 km (6.3 NM); the statistics of standard deviation is based on the average value, and the average value is zero nautical miles. The whole picture of the statistics data generated would be: the standard deviation within plus and minus one to the average value incorporates 68% of all data, whereas the standard deviation within plus and minus two to the average value incorporates 95% of all data.
2. The proportion of the total flight time spent by aircraft 56 km (30 NM) or more off the cleared track shall be less than 5.3×10^{-4} (less than 1 hour in 1887 flight hours).
3. The proportion of the total flight time spent by aircraft between 93 and 130 km (50 and 70 NM) off the cleared track shall be less than 1.3×10^{-5} (less than 1 hour in 7693 flight hours).