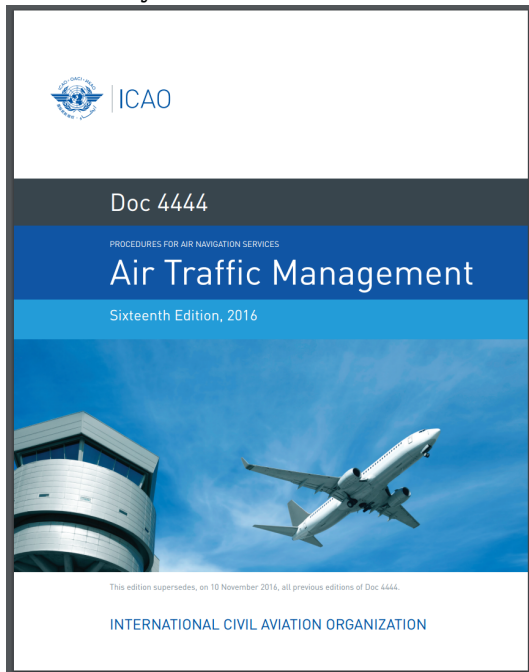


# 2016 16th Edition: ICAO Doc 4444 - PANS-ATM, Procedures for Navigation Services - Air Traffic Management

Declan Selleck  
1 February, 2017



**The 2016 version (16th Edition) of Doc 4444 (Officially “PANS-ATM, or Procedures for Navigation Services – Air Traffic Management) was published in November 2016 by ICAO.**

This manual contains critical information for aircrews operating internationally.



Download the original document here (PDF, 6mB), and note:

- The 16th edition incorporates the changes in Revisions 1-7 of the previous, 2007 edition.

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**Feb 15th, 2017** In the first six weeks of 2017 there have been some important changes on the NAT/North Atlantic. These are published in the latest edition of NAT Doc 007, January 2017.

- **TCAS 7.1:** From January 1st, 2017, TCAS 7.1 is required throughout the entire NAT region.
- **Cruising Level:** Effective 2017, you no longer need to file an ICAO standard cruising level in NAT airspace.
- **Gross Nav Error:** is now defined as greater than 10nm (used to be 25nm)
- **Contingency Procedure:** Published January 2017, a new turn-back (180) procedure is introduced – turn back to parallel previous track by 15nm.
- **Datalink Mandate Exemptions:** Announced January 2017, new exemptions for Phase 2B of the Datalink mandate, which will start on December 7, 2017 (FL350-390). Exempt: Tango Routes, airspace north of 80N, and New York OCA.



In the fewest number of words possible we will tell you what you need to know about crossing the North Atlantic.

If you have a couple of days to spare, then read the official ICAO North Atlantic Operations and Airspace Manual (NAT Doc 007). Otherwise, pay attention and you'll be an expert in 15 minutes.

So, what's different about the North Atlantic?

**Smaller than Best Buy on Black Friday**

There's a lot of traffic on the NAT. So, ATC equates most of it on the "NAT Theater" to make it easier for them to keep everyone apart. That doesn't mean it's easier for you.

**Shanwick Shanwick**

When you talk to "Shanwick Radar" it means you're not talking directly to ATC. So, when something major happens, know how to get off track safely without a clearance.

**The rules keep changing**

As soon as you think you've got things figured out, the rules will change. So we'll start with "What Changed?" ... read on.

**Acronym heaven**

HLA, FLX, CPOL, RNP, NAT QTS, TML, MNPS, OCA, DEP, BLOP. Know 10 out of 10? Good. There's more.

**There's a lot of water**

And not many airports. So it pays to know which ones are suitable, and closed.

**"It's complicated"**

Sometimes, you can get someone, read the paper, do what ATC says, yawn, and land again. Easy. On the NAT, things are a good deal more challenging. Read on ...

Feb 15th, 2017: FSB published the full NAT Crossing Guide “**My first North Atlantic Flight is tomorrow**”.

- What's different about the NAT, changes in 2017, 2016, 2015, NAT Quick Map
  - Routine Flight Example #1 – Brussels to JFK (up at 5.45am)
  - Non Routine-Flights: No RVSM, No RNP4, No HF, 1 LRNS, No HLA, No ETOPS, No TCAS, No Datalink – what you can do and where you can go
- Take a look.
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