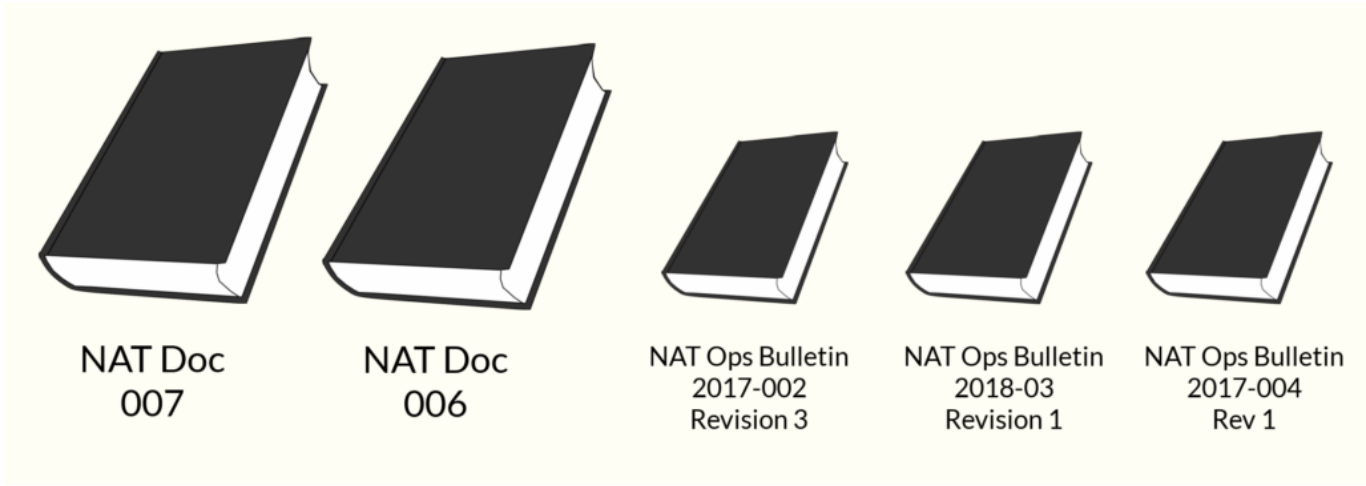
Feb 2021 North Atlantic Changes

David Mumford
24 February, 2021

2021 is off to a flying start again with **NAT changes aplenty!**

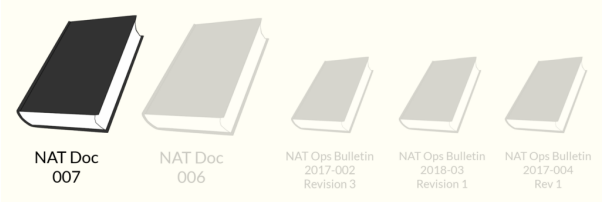
We've got a new edition of the **NAT Doc 007** (the big one with pretty much everything you need to know in it), **Nat Doc 006** (the one which tells you what happens when things go wrong – also pretty big), and **three updated NAT Ops Bulletins** (the small-to-medium-sized ones which give more info about specific topics).



Words-words-numbers-numbers…

This image shows the docs which have changed – lots of meaningless letters and numbers in there. Fear not, we'll go through each one and explain **what it is**, and **what has changed**…

NAT Doc 007



NAT Doc 007 is **the Bible of the North Atlantic**. It's full of NAT goodness – all the specifics about how to operate your aircraft safely through the complex airspace of the region is here. And they've just published a new edition – effective Feb 2021.

As aviation documents go, it's written in pretty digestible language. **There's just a lot in it.** But the latest release is slightly more user-friendly than previous updates, as ICAO have now included **a little summary document which explains all the changes.**

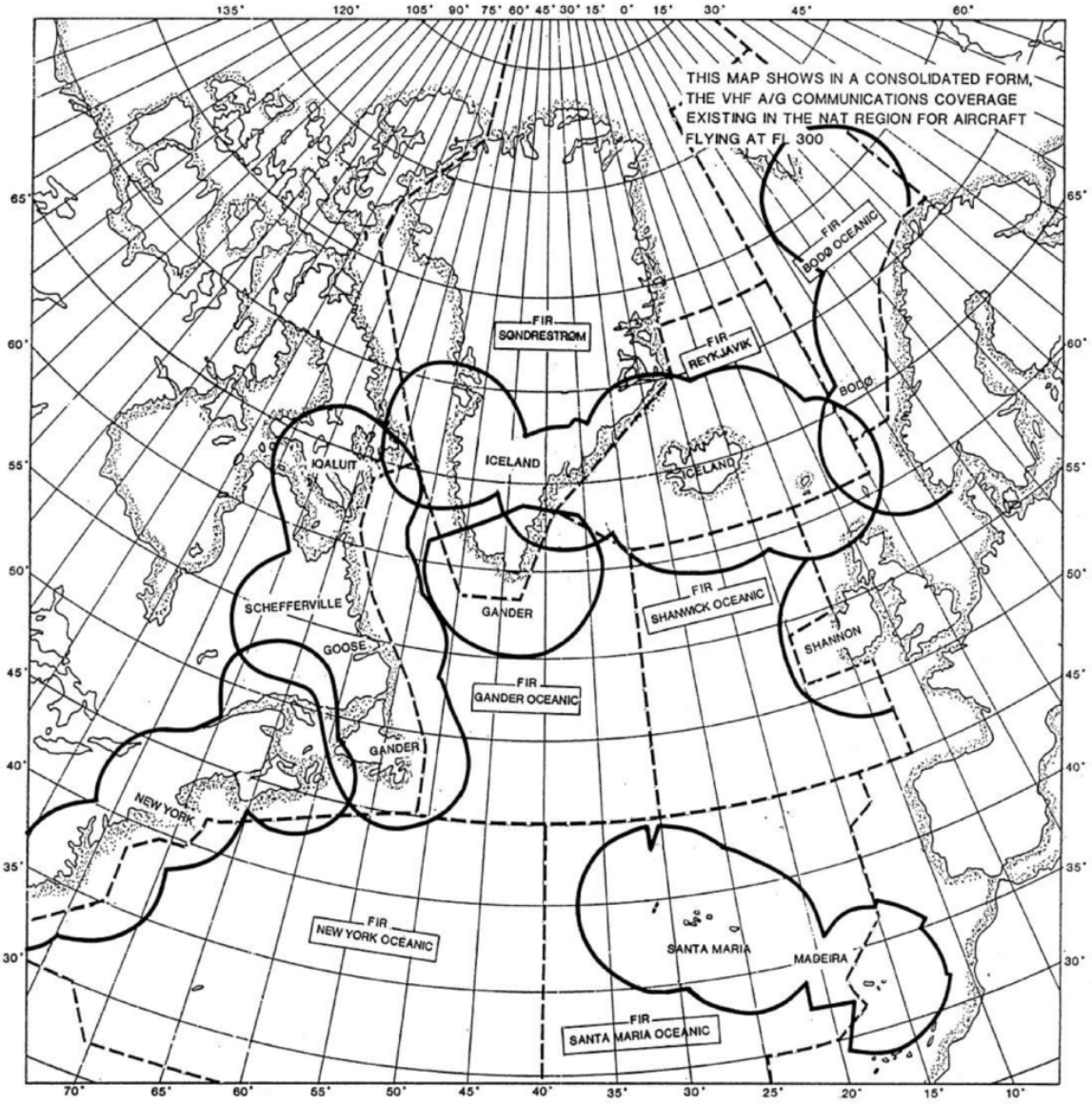
You can download a pdf of the **new NAT Doc 007 here.**

And you can get **the little explainer doc here.**

We've been looking at this latest edition for 12 hours or so now, and we think the changes are **minor**. We use that word with trepidation. **The most significant changes** seem to be as follows:

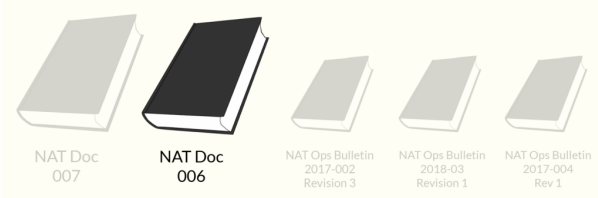
1. **No more NOROTS** – these were a system of domestic westbound tracks published daily by Nav Canada for aircraft transiting between Europe and the Northwestern US. These have been disbanded.
2. **Mach Number Technique** – they want any aircraft capable of maintaining a mach number to flight plan their requested number (not just turbojets).
3. **The southerly Blue Spruce route** which used to start/end at "HO" now does so at "PORGY" instead. HO/Hopedale NDB has been removed from service.
4. **Some clarification on Comms requirements.** Basically two long-range comms systems are needed throughout the NAT if outside of VHF coverage. One must be HF. The other may be CPDLC/Sat Voice but Inmarsat systems do not count when you're really really far north (north of 80N).

Here is latest VHF coverage chart they refer too in Doc 007 (although it says it needs updating):



Relief from the HF requirement is available for flights going for repairs, ferry flights, and special cases. This requires permission from each and every Oceanic Area Control Centre you're passing through (i.e. Gander, Shanwick, etc). Include your approval in Item 18 of your flight plan.

NAT Doc 006



Also known as the **Air Traffic Management Operational Contingency Plan – North Atlantic Region.**

Also known as the **ATMOCP-NAR.**

The dreaded ATMOCP-NAR, spotted on an aircraft wing somewhere over Greenland.

Not really. There's no such thing as an ATMOCP-NAR.

NAT Doc 006 is about a different kind of monster – it tells the tale of **what happens on the North Atlantic when ATC goes down for any reason**. It's the official go-to manual to check the Contingency Plan they put in place during these so-called "ATC Zero" events.

You can download a pdf of the **new NAT Doc 006 here.**

And you can get **the little explainer doc here.**

Summary of what's changed:

- They have updated the section talking about contingency plans for the Gander Oceanic FIR. There is basically some updated contact info, updated contingency routes in the event of Gander Evacuations, and some wording changes clarifying the procedures to be used in event of a comms disruption or full loss of ground-air comms capability.
- The plan only applies to Gander Oceanic FIR, and has removed the ADS-B designated airspace over Greenland because Gander no longer provide ground based ADS-B separation.

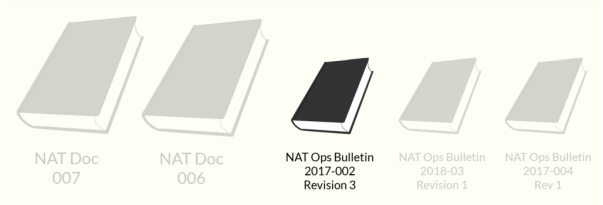
For a breakdown of each of the big changes in this NAT Doc 006, in chronological order (i.e. following the order they appear in the NAT Doc 006 guidance doc!), check out our separate article here.

So **NAT Doc 007** and **006** are the "big ones" that have changed.

But remember, there are some changes to **three NAT Ops Bulletins** too!

Here’s the lowdown:

1. The “How Not To Make Oceanic Errors” NAT Ops Bulletin



Real name: “ICAO NAT Ops Bulletin 2017-002 Revision 3. Subject: OESB – Oceanic Errors”.

Download it here.

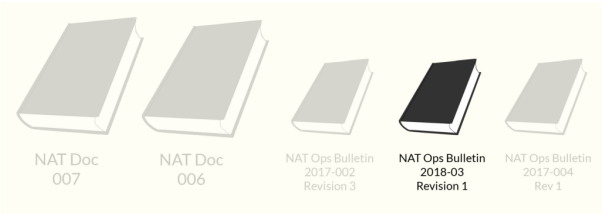
This is the one which has all the advice for operators on how to avoid the common mistakes when flying the North Atlantic. These include: Gross Nav Errors, Large Height Deviations, and Longitudinal Separation busts. There’s also some advice on Flight Planning, SLOP, and some CPDLC things to watch out for.

The changes in this latest version:

- It now has up-to-date guidance on Contingency and Weather Deviation Procedures, to reflect the new procedures that were introduced on the NAT in March 2019 and then extended to all oceanic airspace worldwide in Nov 2020.

Click here for our article which has more info on all this.

2. The “How To Punch In Waypoints Correctly” NAT Ops Bulletin



Real name: “ICAO NAT Ops Bulletin 2018-03 Revision 1. Subject: Waypoint Insertion / Verification Special Emphasis Items”.

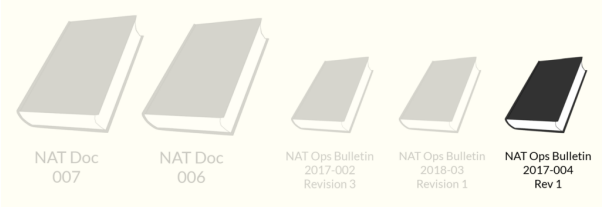
Download it here.

There are some specific procedures to know when it comes to proper waypoint insertion and verification. This is considered a critical method of mitigating the risk associated the rapidly changing procedures (contingency) as well as reduced separation operations (ASEPS and PBCS) within the North Atlantic.

The changes in this latest version:

- Oceanic Clearances containing a re-route issued by voice/OCL may include half-degree waypoints. Operators should ensure that their flight crew procedures and associated training are sufficiently robust to mitigate against navigational error due to waypoint insertion errors.
- Flight Crews are reminded they have the option to respond “UNABLE” to an oceanic re-route and negotiate with ATC accordingly.

3. The “How To Use Datalink Properly” NAT Ops Bulletin



Real name: “ICAO NAT Ops Bulletin 2017_004_Revision 1. Subject: NAT Data Link Special Emphasis Items”.

Download it here.

This Bulletin basically gives a tonne of guidance to operators on how to follow the correct datalink procedures in the North Atlantic.

The changes in this latest version:

- It now includes a new section on the use of CPDLC route clearance uplinks:

4. CPDLC Route Clearance Uplinks

4.1 CPDLC route clearance uplinks are used by ATC to amend oceanic routing.

4.2 If a clearance is received that can be automatically loaded into the FMS (e.g. via a LOAD prompt), the flight crew should load the clearance into the FMS and review it before responding with WILCO.

4.3 Flight crews must be familiar with the proper loading and execution of the following CPDLC route clearance uplinks;

a) PROCEED DIRECT TO (position)
   I. Instruction to proceed directly to the specified position

b) CLEARED TO (position) VIA (route clearance)
   I. Instruction to proceed to the specified position via the specified route
   II. This uplink may not show the “VIA ROUTE CLEARANCE” until it is loaded
   III. This is not a “direct” to the CLEARED TO waypoint. It is a clearance to the waypoint via the route specified.

c) CLEARED (route clearance)
   I. Instruction to proceed via the specified route
   II. This uplink may not show the “ROUTE CLEARANCE” until it is loaded

d) AT (position) CLEARED (route clearance)
   I. Instruction to proceed from the specified position via the specified route
   II. This uplink may not show the “ROUTE CLEARANCE” until it is loaded

Note. — Experience shows that flights crews often misunderstand the uplink message CLEARED TO (position) VIA (route clearance) when they fail to load the message and incorrectly fly directly to the CLEARED TO position. Or, even after loading, they perceive the clearance as “direct” to the “CLEARED TO” position.

Note. — FMS waypoint weather data (winds and temperature) may be lost depending on the route clearance message received. Flight crews should verify the weather data as they may need to re-enter the weather data for proper FMS predictions.

So as far as the ICAO NAT Ops Bulletins go, the full list of **current Bulletins** is as follows:

NAT OPS BULLETIN CHECKLIST

NAT OPS Bulletin Checklist		Issued: **23 February 2021**
Serial N°	**Subject**	**Effective date**
2020_002	Surveillance Service in the NAT / Flight Crew Operating Procedures	08 July 2020
2020_001	ACARS Data Link Oceanic Clearance Flight	06 April 2020
2019_003	Data Link performance improvement options- **Revision 2**	08 July 2020
2019_001	Operations Without an Assigned Fixed Speed in the NAT (OWAFS) Special Emphasis Items (SEI)	09 July 2019
2018_005	Special Procedures For In-Flight Contingencies in Oceanic Airspace **Revision 1**	28 March 2019
2018_004	Implementation of Performance Based Separation Minima-Expanded Publication of PBCS OTS	28 March 2019
2018_003	Waypoint Insertion / Verification Special Emphasis Items – **Revision 1**	23 February 2021
2018_002	CPDLC Uplink Message Latency Monitor Function – **Revision 1**	04 June 2018
2017_005	Revised Sample Oceanic Checklists	07 December 2017
2017_004	NAT Data Link Special Emphasis Items – **Revision 1**	23 February 2021
2017_002	Oceanic Errors - **Revision 03**	29 January 2021
2017_001	NAT common DLM AIC – **Revision 4**	09 July 2019
2013_005	New Service Notification for Gander Oceanic Control Area	21 November 2013
2013_002	Publication of "Track Wise – Targeting Risk within the Shanwick OCA" – updated 29 April 2013	29 April 2013

You can download each Bulletin from the ICAO page here.

And that's it!! That's all the changes!! At least, we think so. If you have spotted any biggies not listed here, send us an email at: news@ops.group

And if all this is not enough for you, and you want a comprehensive timeline of **all the old significant changes on the North Atlantic** stretching back to the dawn of time (2015, actually), then click here.

2019: Safety Net on the NAT

OPSGROUP Team
24 February, 2021

2019 seems so long a go. A golden age for aviation with airplanes swooshing happily through the skies, and none so happy as those crossing the NAT.

Or were they?

Well, now we can check because the NAT Systems Planning Group 2019 Annual Safety Report has just been released. 2019 might seem a fair old while ago, but the report speaks of a time before Covid when aviation was at normal levels and so offers good guidance on what's up in the NAT world normally.

What is monitored?

If you were thinking the only things you're monitored on are your competencies and KSAs in sim assessments, then think again. You are being watched all the time, and especially so in the NAT where 12 Safety Key Performance Indicators are watched like a hawk watches a juicy mouse in long grass.

Targets for reducing the number of errors in these areas are set using three year rolling data.

So, how did we all do?

Well, in 2019, six of the targets were met and there were notable improvements in these three areas:

- Percentage of long duration height deviations
- Rate of long duration height deviations where datalink was not in use
- Number of minutes spent at wrong fight level for aircraft not using datalink

So, pilots have got better at reading their altimeters and not flying at the wrong altitude.

The risk of vertical collision estimate saw an impressive 30% improvement, and they reckon with the use of SLOP this can be reduced another 77% making it… *30/100*77{equation stuff}#100[somethingbysomethingoversomethingelse]…* a lot less likely we will fly into each other. Good job all.

What is going less well?

Lateral collision risk estimates reduced, but there were still 80 reported lateral deviations. So we're flying at the right altitude, but sometimes in the wrong place.

Flight plan versus what ATC actually cleared pilots to do are the top of the list, making up 30% of the total. 49 of those were prevented by ATC. Not adhering to ATC clearances increased from 10% in 2018, to 13% in 2019, and weather was another biggie making up 17% of all lateral deviations.

ATC coordination errors were also in the top 5 (11%) so don't congratulate them too much. ATC were also provided with conformance monitoring tools which highlighted cleared versus selected level differences, and route assignment monitoring tools to help them intervene and prevent deviations. With these in place, the performance in the second half of 2019 did improve a lot.

Ok, congratulate them a lot, they've made it much safer for us up there.

Overall, what's the verdict?

No gold star because there were still 266 events reviewed in 2019 by the SPG. These included:

- 83 large height deviations
- 118 (actual) lateral deviations including
    - 42 GNEs
    - 44 ATC interventions where ATC prevented pilots making GNEs
- 73 prevented events where ATCOs stopped aircraft flying an uncoordinated flight profiles or entering the wrong airspace sort of things.

It isn't always pilots going wrong though. Some of these were down to equipment issues, some down to ATC not responding quick enough. Here is the full breakdown –

What else is going on up there?

Well, in 2019, when a normal number of aircraft were still flying, they were able to properly monitor the communication and surveillance side of things too, and a whopping 70% of core NAT traffic were using ADS-B. 83% of aircraft were making use of CPDLC over HF radio as well, and the use of these is a big factor in improving the safety and efficiency up there.

The report says this leads to a 'greater focus on strategic rather than tactical techniques' which sounds like 'we are now planning aircraft not to fly near each other' rather then 'when aircraft get too close we move them out of each other's way'.

As a reminder, you have until February 25 to get yourself Datalinkable – the NAT Datalink mandate comes in then.

What next?

2020 data might be a little skewed given a lot less traffic flew, (and many of those who did probably did so after a big gap of not flying), but the overall trend is big improvements. ADS-B is an excellent thing, ATC have a bunch of tools to help them make us safer, and pilot errors are reducing.

There is also a NAT2030 vision plan which is aiming for:

- more flexibility through ‘dynamic airborne rerouting”
- improved contingency procedures
- better comms and surveillance and new technologies
- a focus on improving the environmental impact
- and maybe even some new visitors to the region in the shape of unmanned aircraft supersonic aircraft and even balloons

Until then, get out your own balloons and have a little celebration because safety is improving on the NAT. Now put them away. There is still work to be done.

The full report can be checked out here

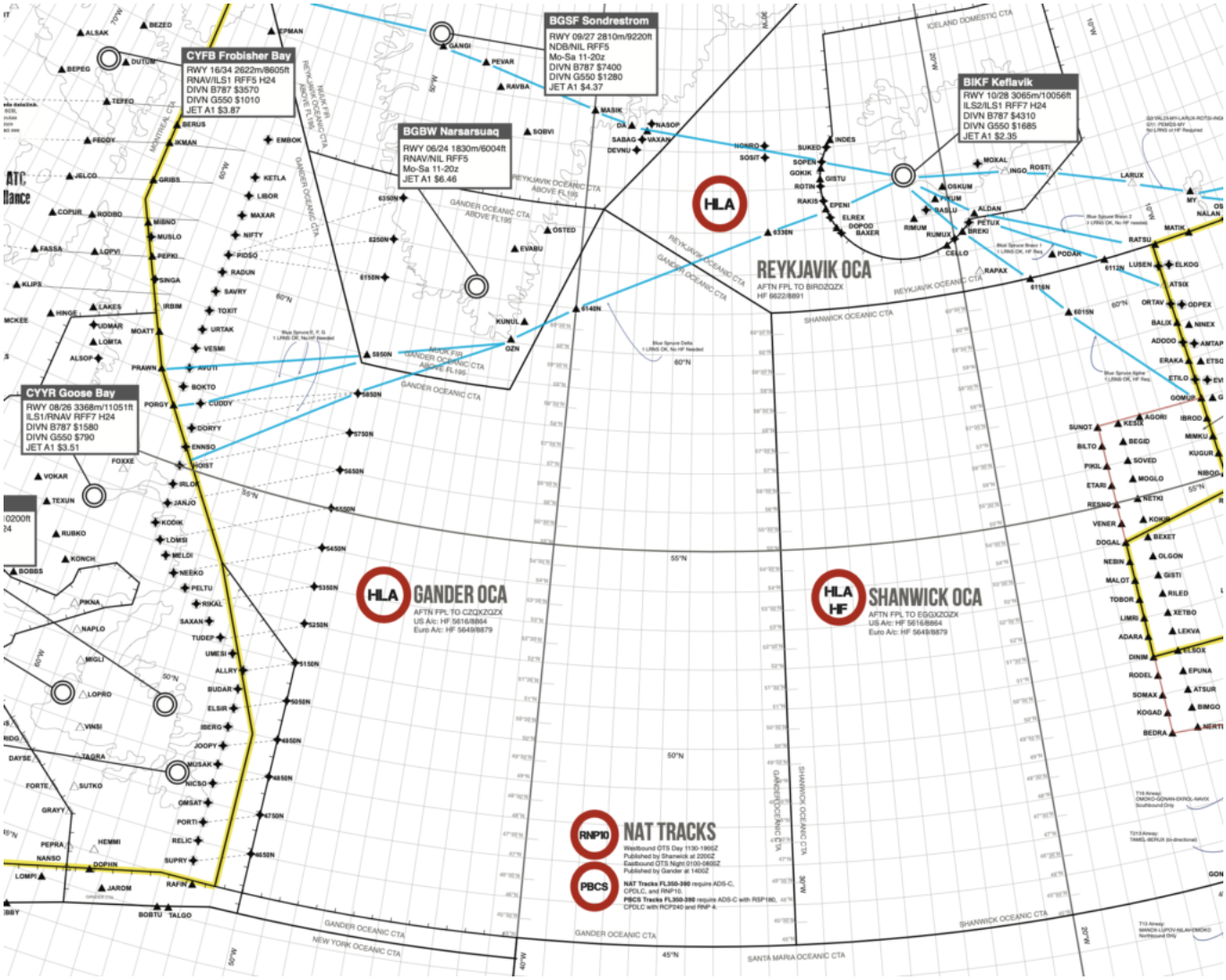
Planning for “ATC Zero” events in Oceanic Airspace

David Mumford
24 February, 2021

You’re halfway across the Atlantic when **ATC declares that they are suspending all services**. TIBA procedures are now in effect. **Would you know what to do next?** As Covid infections impact ATC facilities, short notice closures are currently a constant risk. With the possibility of an entire oceanic ATC area being shut down due to Covid, there are some big questions to consider, and to factor in to your planning: Are you tankering enough fuel if you suddenly have to fly around large sections of oceanic airspace? Where are your ETPs? Do you have a wet footprint?

Back in 2011, there was an incident where transatlantic flights were not allowed to enter CYQX/Gander oceanic airspace due to a smoke situation in ATC control centre which meant that controllers had to be

evacuated. They issued a Notam, but that wasn't much use to the traffic en-route at the time, which all had to be **re-routed around the CYQX/Gander Oceanic FIR** – a vast portion of oceanic airspace.



Fast forward to March of this year, where New York Air Route Traffic Control Center was forced to temporarily close due to **a controller testing positive for Covid-19**. The affected airspace restricted flights into New York area airports, with aircraft having to take longer routes in order to avoid closed sectors, as well as Oceanic airspace which stretches from New York past Bermuda and services flights heading to the Caribbean, Europe, South America, and Africa.

The New York ARTCC is not the only ATC center that has been affected over the past few months due to controllers coming down sick with coronavirus. Eleven sites across the US, including at major airports in New York, Chicago, and Las Vegas, have been **temporarily closed for cleaning**, affected flight operations. Some facilities have been **closed for several days** leaving inbound and departing aircraft left to their own devices for taxi, take-off, and landing.

NAT Doc 006 is the official go-to manual to check what happens during these **"ATC Zero" events** on the North Atlantic, but the spate of recent ATC shutdowns in the US led the FAA to re-examine the increased potential for these situations occurring during the Covid crisis, and in early July they published a SAFO as a result.

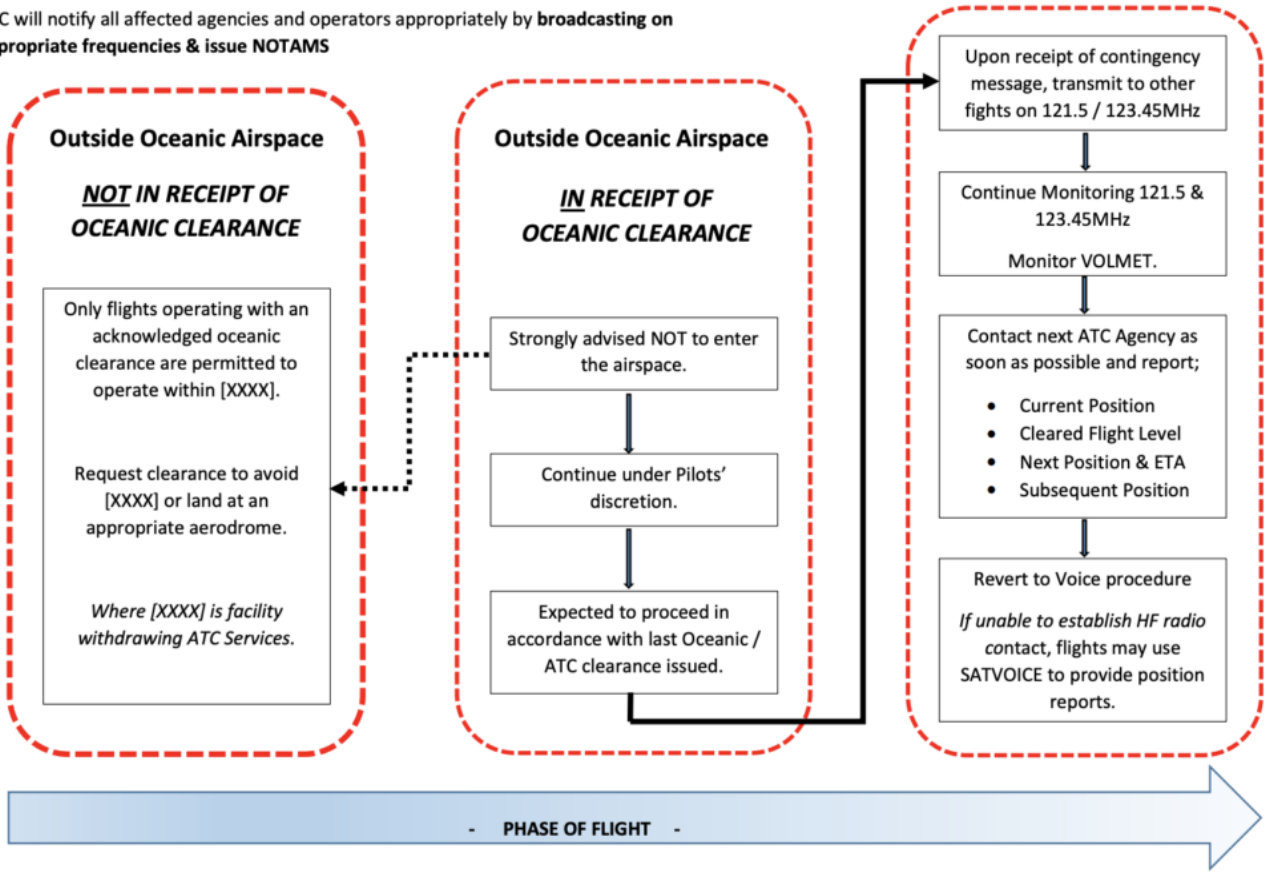
The NAT Doc 006 and the US SAFO are great resources, but here are **two more** which you might not know about!

Code7700.com has published an excellent **2-page crib sheet** with clear guidance for pilots on what to do in these situations. You can download it here:

CONTINGENCY CONSIDERATIONS

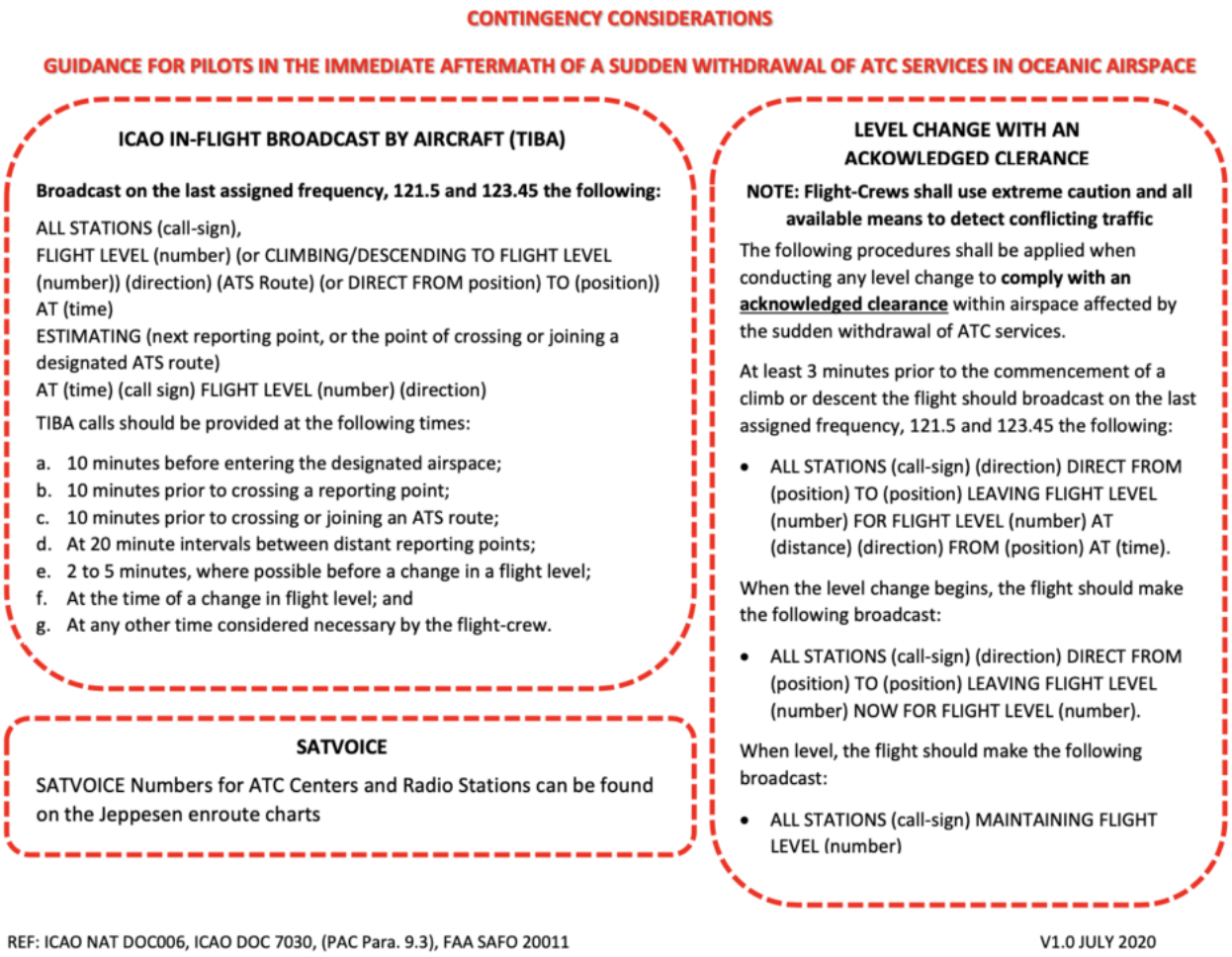
GUIDANCE FOR PILOTS IN THE IMMEDIATE AFTERMATH OF A SUDDEN WITHDRAWAL OF ATC SERVICES IN OCEANIC AIRSPACE

ATC will notify all affected agencies and operators appropriately by **broadcasting on appropriate frequencies & issue NOTAMS**



REF: ICAO NAT DOC006, ICAO DOC 7030, (PAC Para. 9.3), FAA SAFO 20011

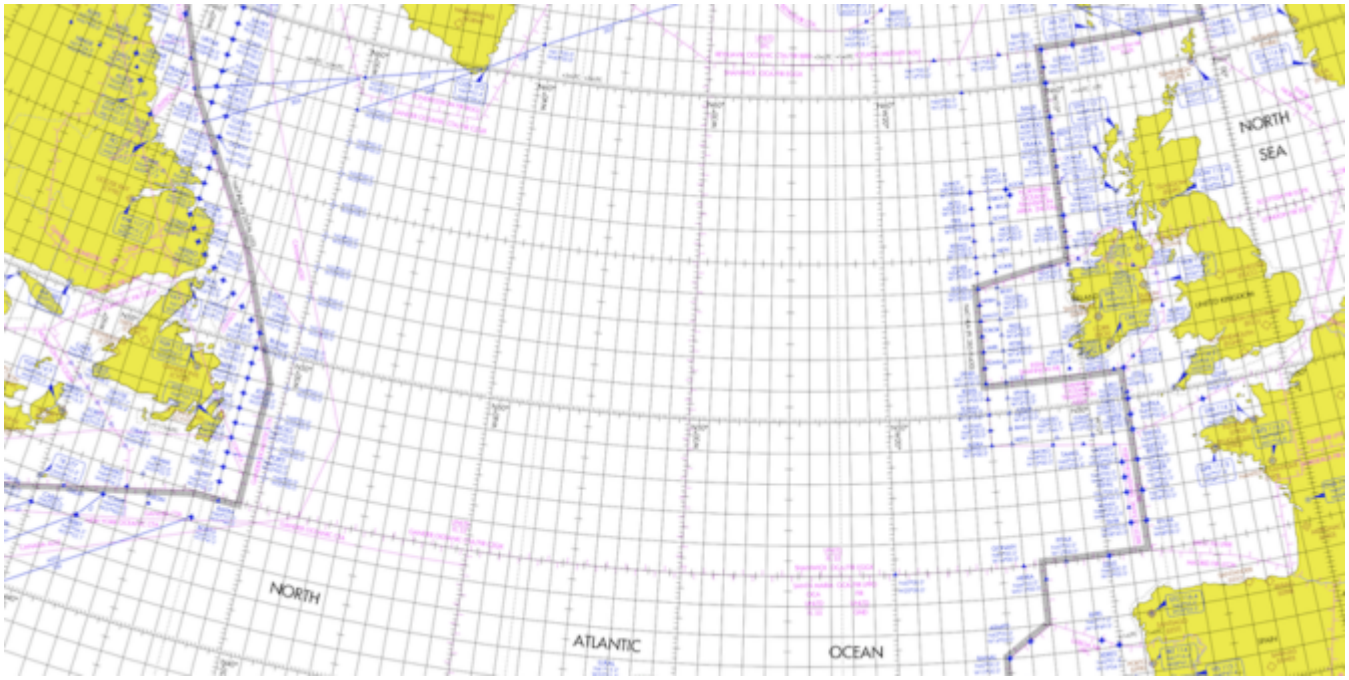
V1.0 JULY 2020



And 30WestIP.com have recorded a **video webinar** discussing this topic in more detail, which you can view here:

July 2020 North Atlantic Ops Update

David Mumford
24 February, 2021



July 2020: There's a bunch of new things to tell you about the North Atlantic this month! Here's a summary:
– Two new ICAO NAT Ops Bulletins
– An updated NAT Doc 007 from ICAO (aka the North Atlantic "Ops Bible")
– A guide for pilots from the FAA about what to do if ATC suddenly has to suspend services
– Some juicy Notams from all the NAT FIRs extending the relaxation of the North Atlantic datalink mandate rules until the end of September.

ICAO NAT Ops Bulletins

Two new ICAO NAT Ops Bulletins have been published this week, but it looks like there's no need to panic.

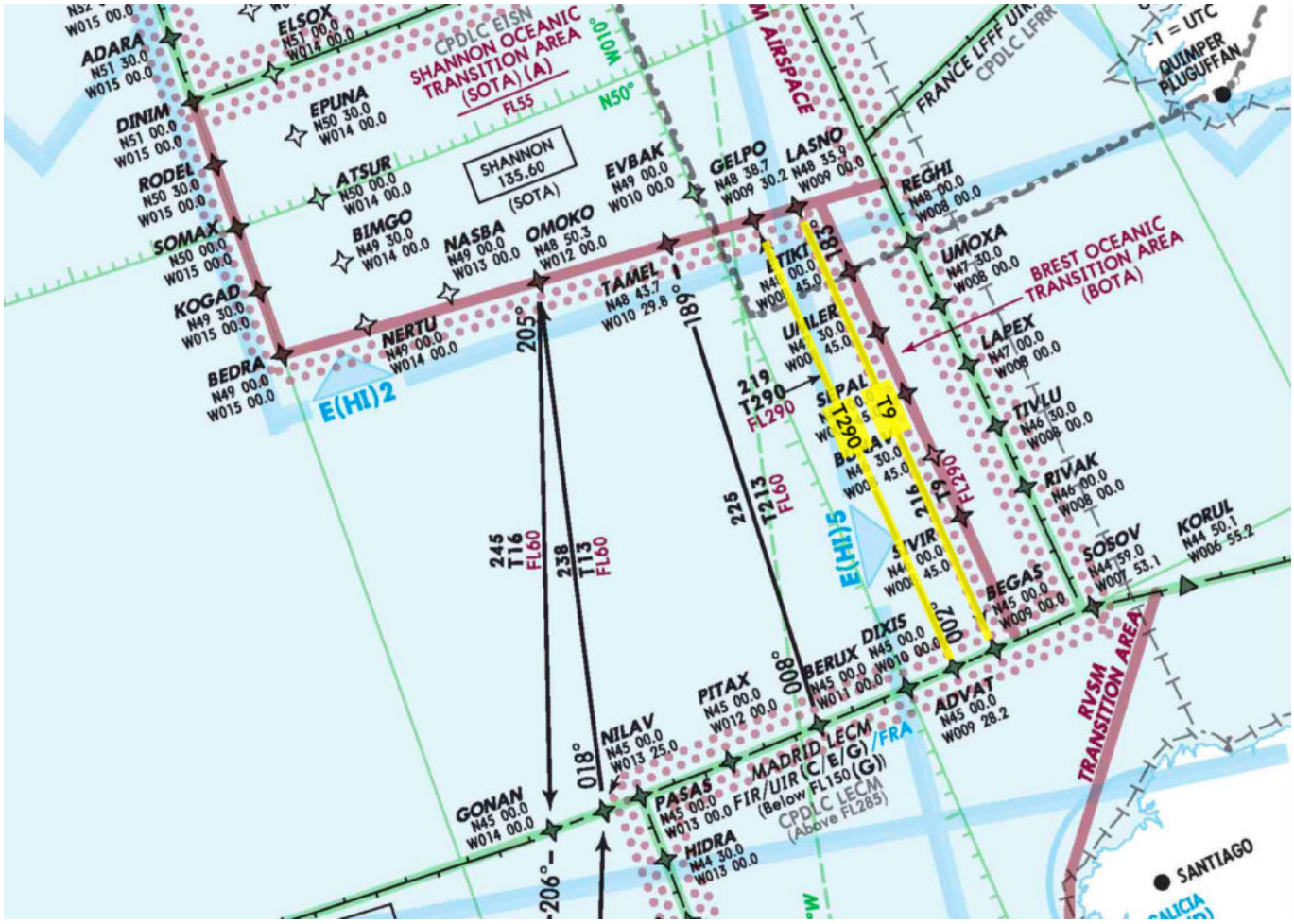
First up, there's **2019_003 Rev 2: Data Link Performance Improvement Options**, which is just an updated list of common datalink errors and what to do about them.

Second, there's a new Bulletin called **2020_002: Surveillance Service in the NAT Region / Flight Crew Operating Procedures**. This is a strange one. The message seems to be this: back in the old days, you used to get a call from ATC saying "radar service is terminated" or "surveillance service is terminated" when heading out into the NAT, or when crossing from one oceanic control centre to the next. But nowadays, with improved SSR equipment and ADS-B more widely implemented, you might not get this message anymore.

ICAO NAT Doc 007 (2020, Version 2)

ICAO has published an updated version of the NAT Doc 007, applicable from July 2020. There are only some minor changes from the previous version, concerning the **Tango Routes**:

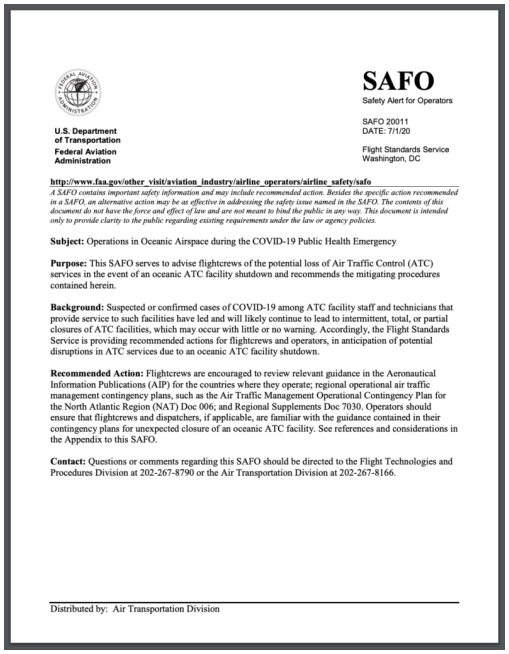
- There's now a specific note saying that **state approval** is required to operate on these.
- There's also a change to the **transponder procedures** when using **T9** or **T290**: normally you change transponder code to 2000 30mins after NAT entry, but because of the limited time spent in the NAT HLA when flying on T9 and T290 you should instead make this change 10mins after joining either of those routes.



T9 is southbound only, even levels between FL300-400. **T290** is northbound only, odd levels from FL290-410. For more info on the Tango Routes, check out our article here.

What to do during “ATC Zero” events

You’re halfway across the Atlantic when ATC declares that they are suspending all services. TIBA procedures are now in effect. **Would you know what to do next?** As Covid infections impact ATC facilities, short notice closures are currently a constant risk.



SAFO
Safety Alert for Operators

SAFO 20011
DATE: 7/1/20

U.S. Department of Transportation
Federal Aviation Administration

Flight Standards Service
Washington, DC

http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/safo

A SAFO contains important safety information and may include recommended action. Besides the specific action recommended in a SAFO, an alternative action may be as effective in addressing the safety issue named in the SAFO. The contents of this document do not have the force and effect of law and are not meant to bind the public in any way. This document is intended only to provide clarity to the public regarding existing requirements under the law or agency policies.

Subject: Operations in Oceanic Airspace during the COVID-19 Public Health Emergency

Purpose: This SAFO serves to advise flightcrews of the potential loss of Air Traffic Control (ATC) services in the event of an oceanic ATC facility shutdown and recommends the mitigating procedures contained herein.

Background: Suspected or confirmed cases of COVID-19 among ATC facility staff and technicians that provide service to such facilities have led and will likely continue to lead to intermittent, total, or partial closures of ATC facilities, which may occur with little or no warning. Accordingly, the Flight Standards Service is providing recommended actions for flightcrews and operators, in anticipation of potential disruptions in ATC services due to an oceanic ATC facility shutdown.

Recommended Action: Flightcrews are encouraged to review relevant guidance in the Aeronautical Information Publications (AIP) for the countries where they operate; regional operational air traffic management contingency plans, such as the Air Traffic Management Operational Contingency Plan for the North Atlantic Region (NAT) Doc 006; and Regional Supplements Doc 7030. Operators should ensure that flightcrews and dispatchers, if applicable, are familiar with the guidance contained in their contingency plans for unexpected closure of an oceanic ATC facility. See references and considerations in the Appendix to this SAFO.

Contact: Questions or comments regarding this SAFO should be directed to the Flight Technologies and Procedures Division at 202-267-8790 or the Air Transportation Division at 202-267-8166.

Distributed by: Air Transportation Division

The FAA has published a safety alert for international flight crew with contingency procedures in the event of loss of ATC services in **Oceanic airspace**. It's a good one to have in your flight bag. Dispatchers and flight crew are reminded to be thoroughly familiar with AIP specific procedures and traffic management contingency plans for the regions they are operating in. You can read the FAA's alert here.

They have also published another one for ATC Zero events in **Terminal airspace**, which you can read here. There have been multiple 'ATC Zero' events at major air traffic control centres due to Covid prevention and the subsequent cleaning required. The alert contains important information regarding instrument approach selection, TCAS use, alternate minima, aerodrome lighting and other CTAF procedures at unattended airports. There are also important considerations applicable to Part 121 operations discussed.

NAT Datalink Mandate

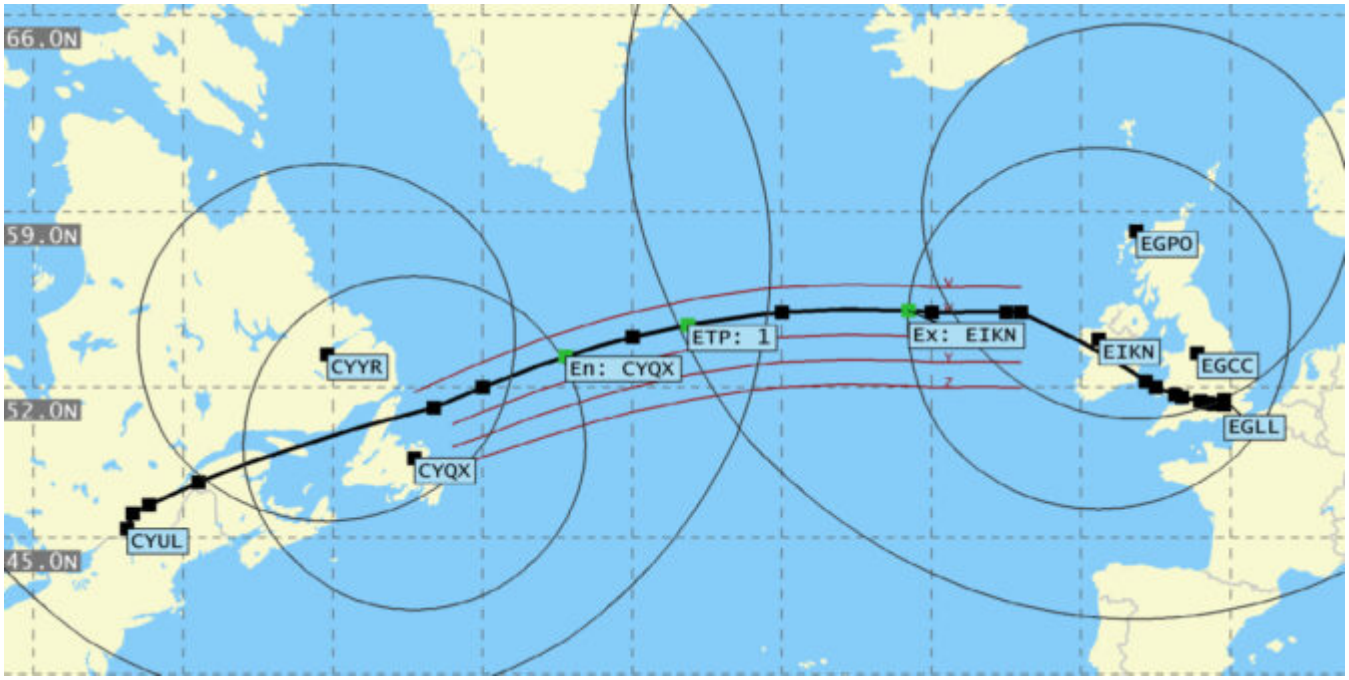
EGGX/Shanwick, BIRD/Reykjavik, CZQX/Gander, KZWY/New York Oceanic West and LPPO/Santa Maria have all published Notams extending the relaxation of the North Atlantic datalink mandate rules until the end of September. This is due to the fact that there's still significantly less traffic because of all the Covid restrictions. **Non-datalink mandate compliant aircraft may therefore continue to flight plan and operate across the North Atlantic between FL290-410 until Sept 30.** For more info on the NAT Datalink Mandate, check out our article here.

In addition, ICAO are saying that due to the decrease in traffic, there is a significantly higher chance of flights being cleared as requested, and are encouraging operators to file and request their optimal profiles at all stages of the flight. Read ICAO's guidance here.

For a brief history of the most significant North Atlantic-related ops changes, check out our dedicated article here.

Covid impact on North Atlantic diversion airports

Chris Shieff
24 February, 2021



Planning diversion alternates is always fun – particularly when flying across **vast tracts of open ocean like the North Atlantic**. Check a few Notams, google some airport pics to work out just how scary the runway is, stick a couple of en-route alternates into your flight plan, and away you go…

The reality is it's a bit more complicated than that. For use as a diversion alternate, an aircraft operator must ensure that the airport concerned meets basic criteria to be classified as 'adequate'. In other words, **just a runway is not enough** – if only it were that simple!

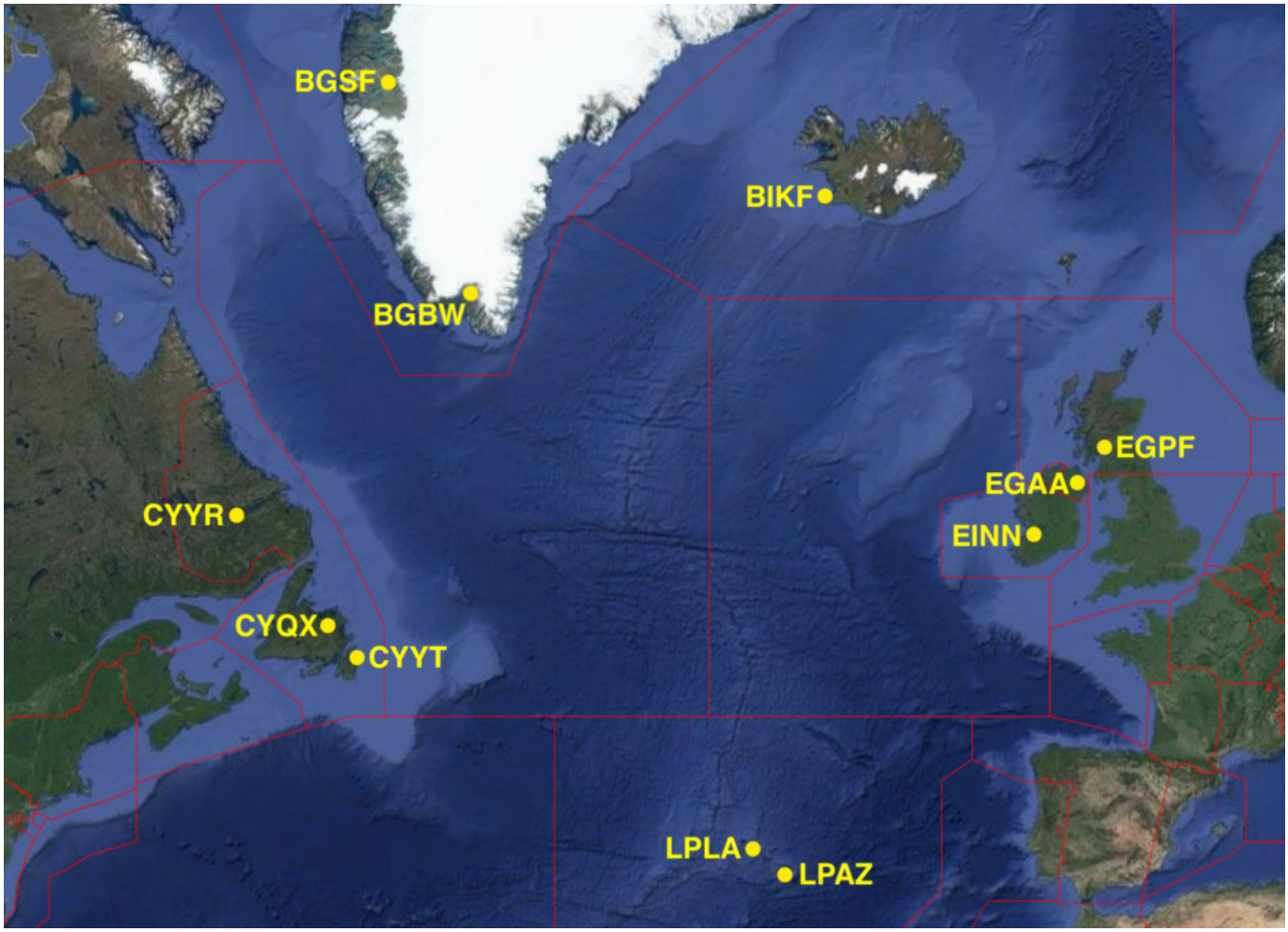
Here are the kinds of things we're interested in:

- Sufficient weather forecasting.
- ATC (or Flight Information Service) hours of operation.
- Runway availability.
- Instrument approach availability.
- Runway Lighting.
- Runway slope guidance (PAPI, VASI, Glideslope or similar).
- RFF (Rescue Fire) operational status.
- Status of facilities: refuelling, handling, parking bays etc.

During the course of the Covid-19 pandemic, a number of airports have used the lull in traffic to undertake work that can affect their operational status. As a result, these changes may create additional **operational issues for pilots and flight planners** seeking diversion alternates that meet their requirements.

Also, due to the general chaos of Covid-19, **many airports have limited staff** which has an effect on how your aircraft, passengers and crew will be handled on the ground if you do need to divert.

Here's a summary of **changes to operational status** of airports commonly used as diversion alternates for aircraft crossing the **North Atlantic**. (Unless stated otherwise, airports listed below are open H24 for emergency diverts).



The Biggies

BGSF Kangerkussuaq Airport, Greenland – Airport is open 1000-1900z Monday to Saturday. Closed on Sundays. If you want them to stay open for you outside their opening times, you have to request it in advance – watch out for hefty fees if doing this, which get charged even if you don't end up actually diverting there. Same applies if you just casually list BGSF as an en-route alternate on your flight plan if operating out of hours. More info on that here.

However, until at least June 10 the airport is classified as 'non-instrumental.' Effectively you can only use it during daylight hours in good conditions (NOTAM A0283/20 refers).

BGBW Narsarsuaq, Greenland – Similar deal to BGSF – airport is only open 1000-1900z Monday to Saturday, and closed on Sundays. And again, extra fees which get charged if filing BGBW as an en-route alternate on flight plans. RFF category 5, but grab a coffee because it requires 3 hour's notice (NOTAM A0098/20 refers). Officially, the current rules for Greenland are that crew and pax will not be allowed to disembark, not even for diverts. Unofficially, the local handler says that if a divert was to happen, they'd "find a solution".

LPLA Lajez, Azores – Several restrictions apply due to Covid. Essentially you can go there if you really need somewhere to land but expect chaos once you do. The airport is currently closed to international arrivals unless it's an emergency. And even then you cannot disembark without permission and strict quarantine measures apply (NOTAM A1487/20 refers). Unscheduled arrivals of emergency aircraft can expect 'extensive handling delays' (NOTAM A1485/20 refers). All passengers and crew must wear face masks, and once you and your passengers leave the aircraft you will be quarantined in the local air force base (room service is unlikely).

LPAZ Santa Maria, Azores. If you have to divert there, no crew or pax are allowed to disembark. For

medical emergencies, they actually recommend you go to LPLA instead!

EINN Shannon, Ireland – Aerodrome is currently only operational from 0500-2100z due to the impact of Covid (NOTAM A1062/20 refers). The airport has confirmed they are not available outside of these hours for emergency diverts – so if you're operating overnight, the nearest available H24 airports are EGAA/Belfast and EIDW/Dublin.

And watch out for these potential 'gotchas'

CYYR Goose Bay, Canada – Until June 29, runway 16/34 is closed. In strong northerly or southerly conditions, cross wind limitations may be reached – so keep an eye on your ETOPs alternate minima (NOTAM E3107/20 refers).

CYQX Gander, Canada – In case of divert, crew/pax all need to fill out a Government Declaration COVID form to stay overnight, and need to have proper PPR (Masks, Gloves and Sanitary Cleaner). RFF category 5 which requires at least 30 minutes notice.

BIKF Keflavik, Iceland – RFF category 8 from 0500-1900z, RFF category 7 from 1900-0500z (NOTAM A0123/20 refers).

EGAA Belfast, Ireland – Until June 13, RFF category 6 overnight between 1800-0600z (NOTAM A1968/20 refers). And until June 11, this is reduced to just RFF cat 4 between the daytime hours of 0600-1800z (NOTAM A1993/20 refers).

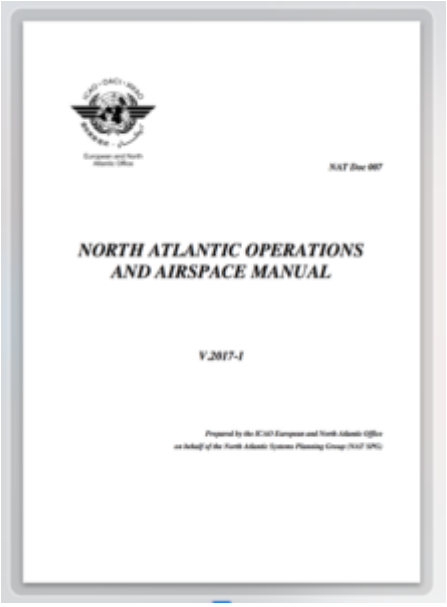
EGPF Glasgow, Scotland. Until June 16, available RFF category is 6 for the majority of the day due to staffing issues caused by Covid (NOTAM A1983/20 refers).

In other NAT-related news, the datalink mandate rules have been relaxed until the end of June, due to the fact that there's now significantly less traffic because of all the COVID restrictions. **Non-datalink mandate compliant aircraft may therefore flight plan and operate between FL290-410 until June 30.** ICAO are saying that due to the decrease in traffic, there is a significantly higher chance of flights being cleared as requested, and are encouraging operators to file and request their optimal profiles at all stages of the flight. More info on the NAT Datalink Mandate can be found here.

2017 Edition: NAT Doc 007 2017 – North Atlantic Airspace and Operations Manual

Declan Selleck
24 February, 2021

The 2017 version of NAT Doc 007, North Atlantic Airspace and Operations Manual, was published in January 2017 by ICAO/NAT SPG.



Download the original document here (PDF, 5mB), and see also:

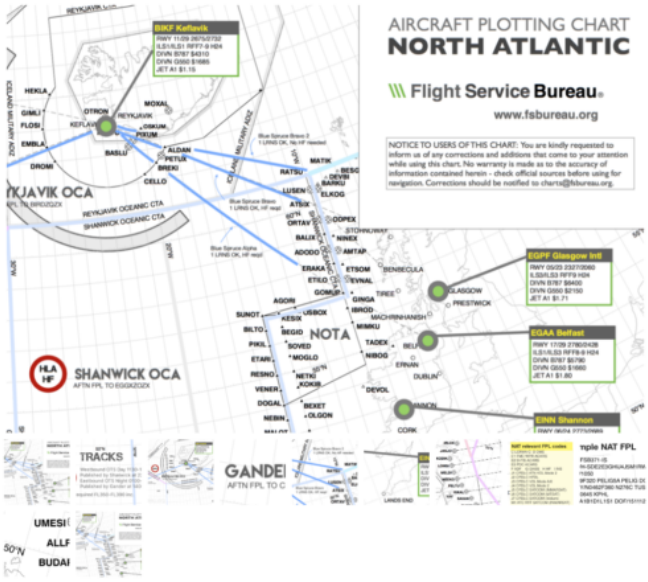
- A **summary of the changes** in the 2017 edition
- The OPSGROUP **NAT Ops Guide** – "My First North Atlantic Flight is tomorrow"

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.

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.



SALE

North Atlantic Plotting Chart

$19.00 ~~$25.00~~

Hi-Res **North Atlantic Plotting/Planning Chart** in PDF format showing North Atlantic Oceanic Airspace, Shanwick, Gander, Reykjavik, New York, Santa Maria, and adjoining domestic airspace, with Airspace entry requirements, FPL codes, Airport data and pricing.
Current chart: Effective **2016**

ADD TO CART