

Contaminated Jet Fuel In Nigeria

Chris Shieff
20 July, 2023



Last week, a fleet of jet aircraft were grounded in Nigeria after **significant volumes of water were found in their fuel tanks**. One became airborne and suffered malfunctions in flight.

The Nigerian Civil Aviation Authority (NCAA) confirmed the issue was **not confined to that one airline**, describing the situation as 'dire.' Anyone uplifting fuel there right now should be seriously concerned.



Max Air identified Octavus Petroleum as the source of the contaminated fuel which led to the grounding of its 737 fleet.

The NCAA has issued an urgent All Operators Letter to refuelers and operators to follow the proper procedures – but with **sixty days** to comply. That's over two months of potentially **contaminated fuel** still being used at airports in Lagos, Abuja, and Kano – without mandatory procedures in place to check it.

What do pilots have to do?

The NCAA note requires a thorough inspection of refuelling equipment, and testing of the fuel it carries or pumps. More notably, there will also be a **mandatory requirement to take samples** from fuel tanks before and after refuelling too. **This will apply to anyone operating an aircraft in Nigeria.**



It is becoming mandatory to test fuel samples both before and after refuelling.

The advice is sound though – be **hyper vigilant** of anything going into your tanks there at the moment. Of course, perhaps the best mitigator right now is **not to refuel at all**, and to **tanker instead**.

Where is the water coming from?

Problems with infrastructure and how it is stored is likely to blame. Aside from particulates and fuel-loving microbes, there are **multiple opportunities** for water to accumulate. This can include water that gathers in low spots within pipelines, rain-water contamination, changes in temperature during storage or while being pumped and even the moisture content of air when tanks are unsealed to add or remove fuel.



There are plenty of opportunities for water to contaminate jet fuel in storage and transfer, especially if proper procedures aren't followed.

A Little Vs A Lot

If you suspect contamination while airborne you should **land immediately**.

The impact depends on how much water is actually in your tanks. In small amounts, it can rust and corrode important components of your fuel system including fuel nozzles that can eventually fail. Water can also wear out fuel pumps that rely on fuel to stay slippery and cool.

You may also notice **unusual engine operating temperatures, surging, and technical faults** with your aircraft's fuel system.

In larger quantities the issues become critical. Icing can restrict or stop the flow of fuel to your engines leading to **flame outs** (remember water freezes at just 0 degrees C, while pure Jet A1 can remain liquid in temps as low as -47 degrees C).



Icing can clog filters and prevent fuel from reaching your engines.

Also, water doesn't burn, so if it reaches your combustion chambers in any significant quantities you can say sayonara to your engines producing thrust – in other words you could have a **multiple engine failure** on your hands.

Make Sure You Report

If you do detect fuel contamination in Nigeria, it must be **reported to the NCAA**. Their contact details are found in the above letter.

And make sure you let us know too so we can help spread the word, and keep everyone safe. You can reach us on team@ops.group or by submitting an **Airport Spy** report.



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Where has Nigeria's fuel gone?

OPSGROUP Team
20 July, 2023



There have been growing reports of jet fuel shortages across Nigeria, and since mid-February several domestic airlines have been slowly but surely cancelling flights because of it.

So, what is the situation and what can you expect if you are operating to Nigeria?

From disruptions to cancellations.

Since December, **jet fuel prices have almost doubled**, and this has seen several of the smaller domestic airlines begin to reduce the frequency of some of their internal flights as they try to manage rising costs.

Lately the situation has grown more serious with some airlines stating they have only 3 days of fuel left, and national flag carrier Air Peace also seeing international flights being cancelled.

The fuel scarcity isn't just at smaller, domestic airports. **It is a nationwide problem**, and it seems to be worsening.

Rising costs.

Fuel prices have risen from 190 naira a litre at the end of 2021, to **670 naira (\$1.61) a litre** in March 2022.

Domestic airlines require around 200 Naira a litre for their operations to remain viable.

So where has all the fuel gone?

Nigeria is Africa's **largest crude oil producer**, but they don't refine it themselves, instead importing almost 90% of motor and jet fuel.

It all began back in February when a batch of **100 million litres of imported gasoline was rejected** because it contained unacceptable levels of methanol. This led to a rise in general fuel prices, which led to a spiralling situation of high costs, leading to less available cash, leading to less dollars for buying in more fuel...

The government is not looking like it will extend subsidies to the aviation industry, and so the supply companies just don't have the cash to bring more fuel in, **despite demand**.

What about international flights?

The main problem is that no-one is really clear on **just how scarce jet fuel is**. So if you're flying in and expecting some for your departure, you might be in for a nasty surprise. Whilst confirming at your destination might be possible, in the event of unplanned diversions it may be more of an issue.

But you can check the Notams? Right?

No, of course not. That would be helpful, but so far there don't seem to be any, at least for the major airports that we checked.

We did ask several handling agents who help arrange fuel at the bigger airports, and they advised that there is indeed a problem and that they **cannot currently guarantee fuel**. This was confirmed for **DNMM/Lagos and DNAA/Abuja**.

Can you tanker?

Tankering is an option dependent on your range and uplift capacity. A better option might be a **fuel tech stop** though.

However, security across this region of Africa is somewhat patchy, so the **airports available** to you for fuel stops may be limited. Here are some suggestions (direct fuel contacts only):

- **DGAA/Accra**, Ghana
 - Vivo Energy are one of the main fuel suppliers in Ghana: +233 30 2664 636
 - AEG Fuel are also a large supplier: +1 305 913 5253 / dispatch@aegfuels.com
- **DIAP/Abidjan**, Cote d'Ivoire
 - Corlay are the primary local fuel supplier: +225 2 121 1515
- **GOOY/Dakar**, Senegal (west coast)
 - AIBD are the main local FBO here: +221 77 569 35 57
- **DRRN/Niamey**, Niger
 - Air Total supply fuel at Niamey: +33 1 47 44 45 46
 - AEG are also a supplier
- **GVAC/Sal Island**, Cape Verde
 - OMNI are the main local FBO: +238 241 26 00 / caboverde@omnihandling.com
- **GUCY/Conakry**, Republic of Guinea
 - Try AEG Fuel: +1 305 913 5253 / dispatch@aegfuels.com

◦ Total might also be able to help +224 628 68 68 92 / mathias.nathan@total.com

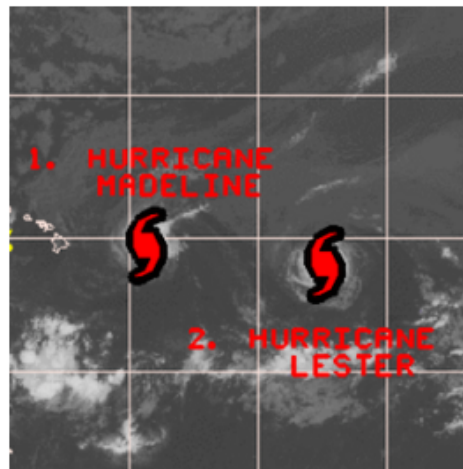
- **FKKD/Douala, Cameroon**

- Check in with Airport Admin: +237 2 33 42 87 62
- Corlay Cameroun are one of the local fuel suppliers: +237 33 42 30 28

Midweek Briefing: End of Canada Leniency, Two hurricanes inbound Hawaii

Cynthia Claros
20 July, 2023

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End of Canada Leniency 31AUG Earlier this year Canada introduced a requirement for an eTA – like the US Esta. For a while, it was OK to travel without one. **That's ending in September** ... Read the article

Two hurricanes inbound Hawaii 31AUG Madeline is first, followed by Lester – both are tracking west towards Hawaii with landfall expected – should it occur – on Wednesday and Thursday. Read the article

LTCC/Diyarbakir, Turkey Kurdish militants fired rockets at Diyarbakir Airport in southeastern Turkey. The militants reportedly targeted a security check-point outside the airport lounge. All personnel were taken inside terminal building for safety reasons. No flights were disrupted, and there were no reports of casualties.

EHAM/Amsterdam It's that time of year again, watch out for the migrating geese in Amsterdam at sunrise and sunset. They operate between 300 and 700ft without transponder.

VVVV/Hanoi FIR If you're cutting a line through the Hanoi FIR on the W1 airway, you'll be held down at FL290 unless you have RNAV5. ATC says so.

DNZZ/Nigeria Members of aviation unions staged rallies at four major airports in Nigeria to protest the planned concession of the facilities to private investors. Protests occurred at Abuja (DNAA/ABV), Kano (DNKN/KAN), Lagos (DNMM/LOS) and Port Harcourt. So far, the protests have not disrupted ops. Lagos has been suffering from some power outages lately as well.

SOCA/Cayenne, French Guyana has staff shortages, and from September 1st will not accept any diversions unless in an emergency. Do not plan SOCA as an enroute alternate. If inbound, with an ETA for SOCA 0200-1100Z, you need to call for an arrival slot. If you need it, ATC phone is +594 594 35 9372 or 9302.

OIZZ/Iran has approved the use of its airbases by Russian fighter aircraft; Russia has notified intention to launch missiles in the direction of Syria from the Caspian Sea fleet. The Russian Air Force has deployed six Tu-23M3 BACKFIRE bomber aircraft and multiple Su-34 FULLBACK strike fighter jets to Hamedan Air Base (OIHS/NUJ).

ORBB/Baghdad FIR/Iraq The Iraqi government has given permission to the Russian MoD to use its airspace in support of air operations in Syria. Russian media outlets are also reporting the Russian MoD has requested use of the FIR for the "passage of cruise missiles" as well, highlighting the potential for such activity to occur in the coming days from the airspace over the Caspian Sea.

LTZZ/Turkey Russia has lifted its ban on charter flights to Turkey.

HAZZ/Ethiopia Reports indicate that flights to HAGN/Gondar (GDQ) and HABD/Bahar Dar (BJR) have been indefinitely suspended. The suspension of flights comes amid ongoing unrest in Gondar and Bahir Dar, as well as in other cities in the Amhara and Oromia regions, over the marginalization of ethnic groups by the Tigray-dominated Ethiopian People's Democratic Front (EPRDF) regime. Ethiopian government officials have not commented on the cancellation of flights to those cities or international flights to Addis Ababa, which has not been largely affected by the unabated unrest occurring in outlying regions.

WSSS/Singapore air quality has deteriorated to a Pollution Standards Index (PSI) of 105, due to the cross-border haze from Indonesian slash-and-burn fires. The agricultural practice, during which farmers burn a patch of land in order to clear land for new crops, creates haze, which then drifts through the region. Experts believe the level of pollution — which in 2015 cost the region more than 700 million US dollars in damage and severely disrupted the aviation sector — will be lower in 2016 due to a rainy dry season.

NFNA/Suva, Fiji is closed during September for runway repairs. Available with 30 mins PN in an emergency. Call them on 9906102.

SUEO/Montevidedo Air Traffic Controllers strike until end of September, closures and departure restrictions in place. Info is sketchy, got some updates? Let us know ... bulletin@fsbureau.org.

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MHTG 'Interesting Approaches' to end,

Greeks or Italians? ATC strikes:

Cynthia Claros

20 July, 2023

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MHTG 'Interesting Approaches' to end 06APR MHTG/Tegucigalpa Dangerous approaches at MHTG will be consigned to history, as a new airport was finally confirmed at the weekend by the Honduran government. **Read the full article.**

Greeks or Italians? ATC strikes this week 06APR There will be an ATC strike this week in Europe, maybe by Greece, maybe by Italy, maybe by both. These strikes are often cancelled shortly before starting, but at this pre-planning stage, it seems likely to go ahead. **Read the full article.**

EBBR/Brussels has now reopened but operations are still very restricted. The airport is not expected to be fully operational until June or July by current estimates. The airport authority has instituted new security measures that include a requirement for passengers to arrive 3 hours prior to their departure time. The terminal is still closed to busses and trains. Slots must still be requested from the Brussels Airport Authority if you intend to operate in or out of EBBR.

ZKPY/Pyongyang FIR Many reports that North Korea is jamming GPS signals, also reported by South Korea RKRR NOTAM A0450/16. Signals have been reported as unreliable or lost when operating in or near to North Korean airspace. Exercise caution if you rely on GPS in those areas. **Read our DPRK Overflight Risk article** from a few weeks ago.

LIZZ/Italy Eurocontrol has confirmed an Italian ATC strike is set for April 9th. NOTAMS A2062/16A2 and A2063/16A2 have been issued covering the proposed strike.

MHTG/Tegucigalpa Dangerous approaches at MHTG will be consigned to history, as a new airport was finally confirmed at the weekend by the Honduran government. **Full article here.**

LFXX/France an Operational Trial of CPDLC Services in French Airspace of Reims (LFEE), Paris (LFFF) and Marseille (LFMM) ACC will be in effect from 05APR to 11APR.

EZZZ/Europe The U.S. State Department along with numerous other countries have issued a Europe wide travel warning in response to the attack in Brussels. While extra vigilance should be exercised it is also a very generic response to a threat that has yet to be fully understood from a commercial aviation perspective. If you would like to be kept up to date on specific travel alerts from the U.S. State Department you can sign up through their STEP program.

EHAM/Amsterdam reports of near misses with drones have recently been reported by crews. The location of the near misses was on the approach path but no specific runway was mentioned.

KEWR/Newark The FAA will be increasing the number of available slots to EWR, available at the end of October. The change is in response to the improved efficiency of the airport and the ability to increase the ATC arrival rate.

FAA/United States has issued Advisory Circular 00-30C. It describes the various types of CAT (Clear Air Turbulence) along with avoidance techniques and possible future forecast systems for helping Dispatchers and Pilots in the planning stages.

KZZZ/USA Check your passport! Effective 01APR16, if you're travelling to the United States under the Visa Waiver Program, you will also need to have a valid **e-Passport** along with your ESTA.

CZVR/Vancouver ACC will begin to use ADS-C on 18APR In their Oceanic sectors, for both alerting service (SAR) and improved ATC separation purposes.

UDDD/Yerevan FIR Due to Air Defence activity ATC route segments with Yerevan FIR Crossing FIR boundary points MATAL, ELSIV, PEMAN and VETEN between Yerevan FIR and Baku FIR are not available.

UBBA/Baku FIR Entry/Exit points VETEN, PEMAN, ELSIV, MATAL are closed.
Baku FIR Entry/Exit points BARAD, DISKA closed from GND to FL305.
NOTAMS A0030/16 and A0032/16 have been issued as well.

UHSS/Yuzhno will be closed daily 10APR-14MAY between the hours of 12-21Z.

OMZZ/United Arab Emirates will begin charging a \$9.50 USD Passenger Tax effective 30JUN, to be imposed on all travellers over the age of 2 through all airports including those only transiting the UAE. A driving factor in this new charge appears to be low oil prices affecting the Gulf States.

UZZZ/Russia has stated that aviation authorities are intensifying its ramp inspections of all aircraft (especially foreign aircraft, we guess) in the wake of the Rostov accident.

FZZZ/Nigeria The Nigerian National Petroleum Corporation has stated that steps are currently being taken to end the countries fuel shortage, but may take upwards of 2 months. We suggest to check with local handlers for the availability aviation fuel supply until the issue is resolved.

VNKT/Kathmandu We have received some reports that VNKT ATC weather reports are inaccurate, especially regarding visibility. Any feedback please let us know.

VIAR/Amritsar has suspended all night operations for 1 year due to the planned reconstruction of the airports runways.

View the full International Bulletin for 06APR2016

Pavlof Eruption wreaking havoc, Brussels Airport remains closed: Midweek Briefing

30MAR

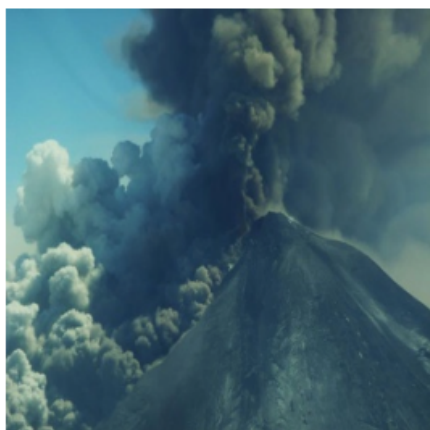
Cynthia Claros
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Pavlof Eruption wreaking havoc 30MAR16 Volcano Pavlof erupted on Sunday and is currently on aviation colour code 'RED'. It has caused havoc for North Pacific, Alaskan and Northern Canadian operations. The latest predictions have the ash upwards of FL400 and extending over Northern Alaska and Canada. You can find the latest information through the Alaskan VAAC.

Brussels Airport remains closed 30MAR16 EBBR is still closed with the possibility of opening later this week. Currently all commercial flights are still prohibited from operating into EBBR. Only ferry, emergency, SAR, State, general aviation and cargo flights are authorized with a slot that can be coordinated through the Belgium Slot Coordination website.

EZZZ/Europe The U.S. State Department along with numerous other countries have issued a Europe wide travel warning in response to the attack in Brussels. While extra vigilance should be exercised it is also a very generic response to a threat that has yet to fully understood from a commercial aviation perspective. If you would like to be kept up to date on specific travel alerts from the U.S. State Department you can sign up through their STEP program.

FAA/United States there have been 583 reported hazards from Aug 22/2015-Jan 31/2015 between aircraft and Drones. None of these incidents have caused any collisions or damage but extra vigilance must be exercised until the FAA can regulate the use of these drones in the terminal areas.

RPHI/Manila has issued an advisory for aircraft operating in the vicinity of the Bulusan Volcano and the Kanlaon Volcano due to an alert level 1 of activity. Flights operating in the vicinity are advised to avoid flying close to the summit.

LFXX/France a general strike has been declared for March 31st. Possible impact to airline operations. Please make sure you check with Eurocontrol or FIR NOTAMs for further restrictions.

FXXX/Nigeria The NNPC or Nigerian National Petroleum Corporation has stated that steps are currently being taken to end the countries fuel shortage but may take upwards up 2 months. Please check with local handlers for the availability aviation fuel supply until the issue is resolved.

LXXX/Turkey has issued a nationwide terror alert and the Israeli Counter-Terrorism Bureau has advised for all of it's citizens to leave the country. Extra vigilance should be exercised if operating to and from Turkey for the foreseeable future.

UXXX/Russia has stated that aviation authorities are intensifying it's inspections of aircraft from Russian and International budget carriers in wake of the Rostov-on-Don accident.

DGAC/Ghana FIR issued NOTAM A0128/16 due to VHF freq 130.9 being not reliable for all Oceanic traffic entering ACCRA FIR from the South East due to maintenance. All traffic must contact ACCRA on HF 8903KHZ or logon to ADS-C/CPDC "DGAC" until positive VHF contact is established.

VNKT/Katmandu There have been a few reports that the Tower at VNKT has been reporting erroneous weather to pilots. One example of such a report was "Tower informed us that there was some 3 km of visibility this morning but it to be less than 1.5 km while Kathmandu was engulfed by haze". If you encounter any issues while operating into VNKT please send us a note to bulletins@fsbureau.org.

VIAR/Amritsar has suspended all night operations for 1 year due to the planned reconstruction of the airports runways.

VTBD/Bangkok Officials approved an expansion that will allow for more aircraft, passengers and vehicle parking. The plan also includes provisions to cut landing fees during off-peak hours at VTBD and VTBS in an effort to increase usage of both airports. The project includes plans to extend the runway, add office buildings, and create additional parking zones for aircraft. The expansion is expected to be completed in 2025.

Angola The Ministry of Health in Angola has reported an ongoing outbreak of yellow fever in Luanda Province. The government of Angola requires all travelers older than 9 months to show proof of yellow fever vaccination on arrival. The CDC has a 'Watch Level 1, Practice Usual Precautions' advisory in place.

FAA/United States has issued Advisory Circular 00-30C. It describes the various types of CAT (Clear Air Turbulence) along with avoidance techniques and possible future forecast systems for helping Dispatchers and Pilots in the planning stages for proactive flight planning.

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Midweek Briefing: Australia Airport Workers

Strike, ICAO Toughens Aircraft Tracking

Cynthia Claros

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Australia Airport Workers Strike 09MAR The Community and Public Sector Union (CSPU) announced the possibility of a strike during the week of 21 March, as well as three weeks of rolling airport strikes by Border Force and Immigration Department staff at international airports across the country. Airport staff members are expected to begin a work stoppage on 24 March, to coincide with the Easter holiday weekend, and will walk off the job at airports, freight terminals and other related sites. The work stoppages will be held to protest wage freezes and work conditions. Further details are likely to emerge closer to the strike.

ICAO Toughens Aircraft Tracking while in distress 02MAR The ICAO has announced new requirements for the real-time tracking of civilian aircraft in distress, following the disappearance of Malaysia Airlines flight MH370 two years ago. The ICAO's governing council approved proposals for planes to carry tracking devices that can transmit their location at least once a minute in cases of distress. Aircraft operators will have to ensure their flight recorder data is recoverable, while the duration of cockpit voice recordings is being extended to 25 hours, ICAO said in a news release. These changes will take effect between now and 2021.

United States Visa Waiver Program Passport Requirements Take Effect April 1. Visa Waiver Program (VWP) travelers must present an e-Passport containing a biometric chip in order to enter the United States visa-free after March 31, 2016. VWP travelers who do not hold an e-Passport should apply for a new passport as soon as possible to ensure that they can continue to use the program without interruption. The e-Passport requirement applies only to VWP travelers; it does not affect holders of U.S. visas.

Canada Electronic Travel Authorization Deadline Relaxed It has been announced that visa-exempt nationals who plan to enter or exit and re-enter Canada by air will be able to board their flight without an Electronic Travel Authorization (eTA) from March 15, 2016 until fall 2016.

India has extended its e-Tourist Visa program to applicants from 37 additional countries. Also, the visa-on-arrival program for certain Japanese nationals who are unable to apply for a regular or electronic visa has been relaxed to allow multiple visits per calendar year. Lastly, the deadline for Person of Indian Origin card holders to apply for the Overseas Citizen of India card in lieu of Person of Indian Origin card has been extended until June 30, 2016.

Ecuador The Ecuador's Geophysical Institute reported that the Tungurahua volcano has experienced a series of eruptions. Pyroclastic flows and fallen ash have collected near the crater. During past eruptions, the volcano's clouds of ash have disrupted flights to major airports in the region.

KZWW/New York Oceanic has issued NOTAM A0105/16 advising restrictions to routings in the WATRS PLUS area due to the (QVR) Oceana Radar being U/S on March 9th and March 10th between the hours of 14-22Z. The restrictions are issued as follows:

Northbound: L453 will be closed.

Southbound: M201 will be clsd btn int atugi and hanri.

Only aircraft equipped with operational ADS-260B out may use the following routes:

Southbound: L453 between LEXAD and ONGOT

North-eastbound: M201 between HANRI and ATUGI

All ADS-260B out aircraft must file an icao flight plan.

UIBB/Bratsk issued a NOTAM restricting the arrivals to only scheduled services due a fuel shortage until March 31st.

PKMJ/Majuro (Marshall Islands) Monthly tanker replenishment is planned for Mar 21-25. During this time, fuel will not be available.

VTSP/Phuket, Thailand has issued a NOTAM advising that the parking of private aircraft is prohibited overnight until April 25th.

Nigeria has experienced a country wide fuel shortage. Please check with your handler ahead of time to ensure fuel is available. Tankering is highly recommended until further notice.

LCCC FIR/Nicosia FIR Late notification of a military exercise in LCCC ACC starting on 09/03/2016 0300 UTC until 11/03/2016 1000 UTC. Exercise areas and route closures announced by following NOTAMs:

A0191/16 through A0196/16, A0208/16 and A0209/16 for area specifications. A0215/16 through A0220/16 for the route closures.

Please see the following graphic outlining the area:



[View the full International Bulletin 09MAR2016](#)

Monday Briefing: Saudi Arabia, Bahrain ban flights from Iran, New US Visa Waiver Restrictions

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20 July, 2023

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Saudi Arabia and Bahrain ban flights from Iran 11JAN Bahraini and Saudi Civil aviation have banned flights between Bahrain, Saudi Arabia and Iran. The Bahraini Civil Aviation Authority (BCAA) stated that it will work to resolve any disruptions as a result of the ban. Bahrain previously cut diplomatic relations with Iran, following the attack on the Saudi Embassy in Tehran.

New US Visa Waiver Restrictions 11JAN Several changes to the rules for the US Visa Waiver program are now in effect, restricting the moment of travelers having visited Iran, Iraq, Sudan, or Syria in the last 5 years. Read more ...

NFFN/Fiji A report released by the Disaster Management Office on 4 January 2016 stated that Cyclone Ula caused minor damage to Fiji. While the storm blew away iron roofs in Ono-i-Lau and Kabara islands, it did not cause significant structural damage or loss of life.

SBxx/Brazil Tourists from Australia, Canada, Japan and the United States will be eligible to travel to Brazil for the upcoming Olympics without a visa for up to 90 days for visits between 01JUN and 18SEP16, though no extensions will be available. Proof of Olympic attendance is not required for this visa waiver. Business travelers from these countries will still require business visas during this time. Eligible travelers should be sure to confirm the validity of their travel documents prior to their trips. After 18SEP, tourists from these countries will require tourist visas for entry.

LFL/Lyon Due to industrial strike affecting fuel providers at LFL (Lyon Airport). Aircraft Operators have been asked to tanker in enough fuel for a round trip. LFL Airport can also not be used as alternate until 12JAN.

Cxxx/Canada Nav Canada has issued AIC 3/16 advising of a pending change to the credit that may be taken at alternate aerodromes for lateral navigation/vertical navigation (LNAV/VNAV) minima, when the aircraft is certified for barometric LNAV/VNAV.

KPHX/Phoenix Possible arrival and departure delays are expected on 12JAN due to extra passenger volume the day after the Alabama and Clemson football game. The airport expects an extra 30,000 departing passengers that day, boosting the total number of passengers to 150,000. In addition to

regularly scheduled flights, at least 14 charter flights will depart.

Kxxx/Southern California SpaceX has scheduled a launch for Jan. 17. This launch will take off from Vandenberg Air Force Base in California. Please check local NOTAMs with KZLA (SOCAL) and KZOA (Oakland Oceanic) for any airspace closures.

Zxxx/China Chinese officials stated that they will allow departing flights to transit via Taiwan. Aviation officials will allow flights departing from Chongqing, Nanchang and Kunming to transit through Taipei's Taoyuan International Airport (RCTP/TPE).

Fxxx/Madagascar On 7 January 2016, Malagasy health officials reported statistics in an ongoing outbreak of the bubonic plague. Reports indicate that 63 fatalities and a total of 174 cases have been recorded since August 2015. Madagascar first alerted the World Health Organization (WHO) to this outbreak in September. A previous outbreak in 2014, which lasted until early 2015, resulted in 335 cases and 79 fatalities.

Dxxx/Nigeria The Nigerian Civil Aviation Authority (NCAA) has lifted the suspension it recently imposed on Acorn Petroleum Limited from supplying aviation fuel to domestic and foreign airlines at airports in the country. NCAA had suspended Acorn and four other oil marketing companies from supplying aviation fuel to local and foreign airlines operating in the country.

Vxxx/India The Indian government has approved a Memorandum of Understanding on Civil Aviation between India and Singapore.

View the full International Operations Bulletin 11JAN2016

Monday Briefing: Russian overflights of Ukraine now prohibited, EUR: TCAS 7.1 Compulsary

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All Russian overflights of Ukraine now prohibited 29NOV In a development of the dispute between Russia and Ukraine regarding traffic between the two countries, Ukraine has extended the original ban (which affected specific Russian Airline only) to all Russian registered Aircraft Operators. Notam 2604/15 issued last Wednesday has the specifics.

EUR: TCAS 7.1 Compulsary 01DEC The EASA Mandate for compulsory carriage of TCAS version 7.1 (with changes to "Adjust Vertical Speed" RA and resolution of "Reversal RA" problems) is 01DEC. All operators must have 7.1 on board. Note that this applies also to EU Territories abroad, eg. New Caledonia, Tahiti.

OYSC/Sanaa FIR We've received input from a number of US Airlines that although Yemeni landmass airspace is prohibited, operations through the OYSC/Sanaa FIR Oceanic portion are available in accordance with FDC5/5575.

NZAA/Auckland is closed every Monday morning 0130-0430LT for runway maintenance. However, Robin Leach at Air Centre One notes that several aircraft have departed for Auckland with an arrival time during this period resulting in airborne holding. Part of the issue is that a NOTAM is only issued if the work is cancelled; otherwise the (hard to spot) AIP/IFG notes for Auckland apply.

ZBAA/Beijing Chinese Authorities have issued an 'orange level' alert for smog on Sunday, with reports that visibility in places is down to a few hundred feet. This alert requires industrial plants to reduce or shut down production. With the current temperatures, Freezing Fog is affecting operations at Beijing Airports.

North Atlantic First day with the new NAT Tracks structure will be 01DEC per advice from NATS and Nav Canada, reporting that previous IT issues with the new tracks have been resolved.

Spain The National AFTN COM Centre is out of action for a few hours on Monday night (after 2100Z), meaning that FPL filing and other AFTN based messaging will be affected for Airports in Spain and the Canary Islands.

Bermuda Transatlantic Operators should note in addition to the new track structure on 01DEC, that Bermuda will be without radar coverage for the afternoon (1200Z-1600Z), and the National Authority there is recommending to avoid Bermuda airspace. A limited non-radar service will be provided, and only airways L459, 461, and 462 are useable if you do overfly. Refer to KZWY A0461/15 for more.

EINN/Shannon is again closed for maintenance this Monday night 01DEC, 2145Z-0500Z; use alternate diversion alternates!

EGLL/London Heathrow has a high risk of regulation for Mon, Nov 30th from 0540-2200Z due to strong winds. Please plan fuel accordingly for possible airborne delays.

HLLL/Libya FIR Due to the recent escalation of the Libyan Crisis all Italian aircraft operators have been prohibited from flying through HLLL FIR. Prior Permission to operate into HL available aerodromes also requires Prior Permission by the Libyan CAA. REF NOTAM A8382/15 which replaced A5637/15.

LFRR/Brest FIR Training and stepped implementation of the ERATO paperless strip system in Brest FIR commenced on 24NOV and will last until 18DEC with significant capacity reductions. A transition period with capacity reductions will follow from 19DEC; this may potentially extend into Summer 2016. Moderate and (in some case) high delays may be expected daily, depending on the sector configuration provided.

LTxx/Turkey In response to the downing of a Russian Fighter Jet, Russia will be suspending the Visa-Free Travel program between the countries effective 01JAN2016.

VICG/Changigarh The new Chandigarh international airport which was originally scheduled to close for runway resurfacing which was estimated to take approx a year will in fact now remain open during the construction. Work to resurface the runway will take place without disturbing the flight operations there.

EIDW/Dublin The DAA and IAA are currently exploring a further reduction in SID separation to 75 seconds (following aircraft given take-off clearance when preceding aircraft reaches 1NM past DER). Ongoing AIM is to reduce further to 60 seconds if possible.

MKJS/Montego Bay The operator of Sangster International Airport, MBJ Airports Limited, Announced that, effective 24NOV, electronic boarding passes will be accepted as part of the security screening process.

DNxx/Nigeria The Nigerian Civil Aviation Authority, NCAA, suspended some oil marketers from supplying Jet A1 to airlines due to a lack of depot facilities. The affected marketing companies include Jushad Oil and Gas Limited, Lubcon Limited, Ascon Oil Company Limited, Acon Petroleum Limited and Star Orient Aviation Limited.

FQNC/Nacala,Mozambique Mozambique's airport management company AdM stated on 24 November 2015 that Nacala Airport is expected to receive the proper certification to service international flights by December 2015. International airlines can begin using the facility by March or April 2016. Nacala Airport was a former military airbase and it opened as a civilian facility in December 2014. However, to date, the airport has only been permitted to service domestic flights.

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