

ENR 1.8  
ATM CONTINGENCY PLAN FOR BRAZZAVILLE ACC

**PART I: LEVEL 2 CONTINGENCY PLAN (REQUIRING INTERVENTION OF ADJACENT FIR)**

**1. OBJECTIVES**

- 1.1. This contingency plan contains procedures to ensure the provision of air navigation services in the event of partial or total disruption of Air Traffic Services (ATS) within Brazzaville Upper Traffic Area (UTA) and is in accordance with ICAO Annex 11 - Air Traffic Services Chapter 2, paragraph 2.32, and Attachment C; document 4444 ATM- PANS (Chapter 15.8 and chapter 16.6) and Congo Aeronautical Rule (RAC21).
- 1.2. This Contingency Plan is designed to accommodate the flow of international air traffic with a minimum of disturbance for aircraft transiting the airspace under the responsibility of Brazzaville ACC. Routes and flight levels are limited.

**2. STATES AND FIRS AFFECTED**

- 2.1. 2.1. In the event that Congo Civil Aviation Authority activates this Contingency Plan, the adjacent ATS UNITS, will be notified in accordance with the Letter of Agreement (LOA) or Memorandum of Understanding (MOU) established between them. The adjacent ATS UNITS directly affected by this Contingency Plan are as follows:

STATE	FIR	ATS UNIT
CAMEROUN	Brazzaville FIR	- Douala ACC, - Yaoundé TWR, - NGaoundéré TWR
GABON	Brazzaville FIR	- Libreville ACC, - Port-Gentil TWR, - Franceville TWR
CENTRAL AFRICA REPUBLIC	Brazzaville FIR	Bangui TWR
SAO-TOME	Brazzaville FIR/Accra FIR	Sao-Tomé ACC
GHANA	Accra FIR	Accra ACC
NIGERIA	Kano FIR	Kano ACC
CHAD	Ndjamena FIR	Ndjamena ACC
SUDAN	Khartoum FIR	Khartoum ACC
DRC	Kinshasa FIR	Kinshasa ACC
ANGOLA	Luanda FIR	Luanda ACC

- 2.2. The contact details of the civil aviation authorities and organizations concerned are contained in PARAGRAPH 15 below.

**3. MANAGEMENT OF THE CONTINGENCY PLAN**

- 3.1. The contingency measures set out in the first part of this Plan are applicable in cases of foreseeable events is for level 2.
- 3.2. The following procedures have been put in place to ensure that the management of the Contingency Plan provides for international flights to proceed in a safe and orderly fashion through Brazzaville UTA.

**3.3. CENTRAL COORDINATING COMMITTEE**

The Central Coordinating Committee (CCC) function shall be to oversee the implementation of the Contingency Plan and in the event that the Air Traffic Services (ATS) in Brazzaville UTA is disrupted for an extended period, make arrangements for and facilitate the temporary relocation of the Air Traffic Services to Libreville ACC and Ndjamena ACC and the restoration of Air Traffic Services in Brazzaville UTA.

The Central Coordinating Committee comprises representation from the following:

- 1) CONGO CIVIL AVIATION AUTHORITY (ANAC)
- 2) ASECNA (HEADQUARTER, REPRESENTATIVE IN CONGO)
- 3) AIRPORT AUTHORITY (AERCO)
- 4) OTHER RELEVANT AUTHORITIES.

Contact details of its members are provided in paragraph 15.1 below.

**3.4. ATM OPERATIONAL CONTINGENCY GROUP**

The ATM Operational Contingency Group (AOCG) will be convened by the CCC with a primary responsibility to oversee the day to day operations under the contingency arrangements, and coordinate operational ATS activities, 24 hours a day, throughout the contingency period in coordination with the WACAF Contingency Coordination Team and adjacent FIRs. The AOCG will include any necessary specialist personnel from the following disciplines:

- Air Traffic Control Services (ATS)
- Aeronautical Telecommunication (COM)
- Aeronautical Meteorology (MET)
- Aeronautical Information Services (AIS)
- ATS equipment maintenance service provider.

Contact details of its members are provided in paragraph 15.2 below.

## 4. AIR TRAFFIC MANAGEMENT AND CONTINGENCY PROCEDURES

### 4.1. Air Traffic Services Responsibilities

- 4.1.1. Tactical ATC considerations during periods of over-loading may require re-assignment of routes or portions thereof.
- 4.1.2. Alternative routes are designed to maximize the use of existing ATS route structures and communications, navigation and surveillance services.
- 4.1.3. In the event that ATS cannot be provided within Brazzaville UTA , Congo Civil Aviation Authority (ANAC) shall publish not less than 48 hours before, if practicable, the corresponding NOTAM indicating the following :
  - a) Time and date of the beginning of the contingency measure;
  - b) Airspace available for landing and over flying traffic and airspace to be avoided;
  - c) Details of the facilities and services available or not available and any limits on ATS provision (e.g. ACC, APP, TWR and FIS), including an expected date of restoration of services if available;
  - d) Information on the provisions made for alternative services;
  - e) ATS contingency routes;
  - f) Procedures to be followed by neighboring ATS units;
  - g) Procedures to be followed by pilots; and
  - h) Any other details with respect to the disruption and actions being taken that aircraft operators may find useful.
- 4.1.4. In the event that the ANAC is unable to issue the NOTAM, ASECNA or ICAO will take action to issue the NOTAM of contingency measures upon notification by ANAC.

### 4.2. Separation

Separation criteria shall be applied in accordance with the Procedures for Air Navigation Services-Air Traffic Management (Doc 4444) and the Regional Supplementary Procedures (Doc 7030).

Longitudinal separation of fifteen (15) minutes, or twenty (20) nautical miles Radar separation where Radar services are available, shall be applied for aircraft maintaining the same cruising flight level

### 4.3. Level restriction

Where possible, aircraft on long haul international flights shall be given priority with respect to cruising levels.

### 4.4. Airspace Classifications

Airspace classification will not be changed.

### 4.5. Aircraft position reporting

- 4.5.1. The primary means of communication will be by VHF or HF radio.  
When CPDLC has been authorized for use by the relevant ATC authority this will become the primary means of communication, with HF as secondary.  
Traffic Information Broadcast by Aircraft (TIBA) procedures shall apply in Brazzaville UTA during periods of contingency.
- 4.5.2. TIBA frequencies shall be as follows:  
AFI REGION – 126.9 MHz.

### 4.6. Other measures

Other measures related to the disruption of air traffic services and the implementation of the contingency scheme within the Brazzaville UTA may be taken as follows:

- Suspension of all VFR operations;
- Delay or suspension of general aviation IFR operations; and;
- Delay or suspension of commercial IFR operations

### 4.7. Procedures for ATS Units

The ATS units providing Air traffic control services will follow their unit emergency operating procedures and activate the appropriate level of contingency procedures in line with this plan.

- a) ATC will inform pilots of the emergency condition and advise if it is likely that the ATS will be suspended and transmit on the radio frequency in use providing pilots with alternate means of communication;
- b) During the period the contingency procedures are in effect, flight plan and other aircraft movement messages must continue to be transmitted by operators to Brazzaville ACC via the AFTN/AMHS using normal procedures;
- c) On notification by ANAC, the ATS authorities operating the OTHER STATE ATS UNITS will activate the contingency procedures in accordance with this Plan or any existing LOA or MOU;
- d) Prior to entry to the Brazzaville UTA during contingency operations prior authorization must be obtained from ANAC, and flights must comply with the ATC clearance/Route/Flight level and communications instructions issued by the ATS UNIT responsible for the airspace immediately adjacent to the Brazzaville UTA.
- e) Coordination of aircraft boundary estimates and flight levels by the adjacent ATS UNIT responsible for aircraft entering the Brazzaville UTA shall be in accordance with this Plan.
- f) The ATS UNIT responsible for aircraft entering the Brazzaville UTA will instruct pilots to maintain the last flight level assigned and speed or MACH number if applicable while operating in the Brazzaville UTA ;
- g) The ATS UNIT responsible for aircraft entering the Brazzaville UTA will not authorize any change in route, flight level or speed unless specifically authorized by the ATS unit normally responsible for the affected airspace, or under this Plan;
- h) The ATS UNIT responsible prior to aircraft entering the Brazzaville UTA will inform aircraft that they must establish contact with the first ATS UNIT after transiting the Brazzaville UTA not less than 10 minutes before the estimated time of entry to the Brazzaville UTA.



**5. TRANSITION TO CONTINGENCY SCHEME**

During times of uncertainty when disruption of air traffic services seems possible, aircraft operators should be prepared for a possible change in routing while en-route, familiarization of the alternative routes outlined in the contingency scheme as well as what may be promulgated by ANAC via NOTAM.

In the event of a disruption of air traffic services that has not been promulgated, Brazzaville ACC will, if possible, broadcast to all aircraft in the Brazzaville UTA, airspace that is affected by the disruption and any further instructions.

It is recognized that when a disruption of air traffic services or airport closure occurs and is promulgated, operators may have different requirements as to their alternative routings. Brazzaville ACC will evaluate all requests to ensure safety is maintained.

**6. TRANSFER OF CONTROL, COORDINATION AND DELEGATION OF RESPONSIBILITY IN THE PROVISION OF AIR TRAFFIC SERVICES WITHIN BRAZZAVILLE UTA**

6.1. The transfer of control and communication will be at the common Brazzaville acc boundaries or as previously agreed upon between:

- a) BRAZZAVILLE – NDJAMENA ACC ;
- b) BRAZZAVILLE – KINSHASA ACC;
- c) BRAZZAVILLE – LUANDA ACC;
- d) BRAZZAVILLE – KHARTOUM ACC;
- e) BRAZZAVILLE – KANO ACC;
- f) BRAZZAVILLE – LIBREVILLE ACC;
- g) BRAZZAVILLE – DOUALA ACC;
- h) BRAZZAVILLE – ACCRA ACC.

6.2. The responsibility for ensuring the provision of air traffic services within Brazzaville UTA is transferred to Libreville ACC and Ndjamen ACC according to the following considerations:

a) Libreville ACC will ensure the provision of air traffic services for traffic operating in airspace or along the two contingency ATS routes on the sub-west part of the FIR.

- BZCR15: UG 856

- BZCR16: UG 861

HF frequencies of BRAZZAVILLE ACC (6559-8903) KHz will be used

b) Ndjamen ACC will ensure the provision of air traffic services for traffic operating in airspace or along the rest of the following contingency ATS routes of the FIR.

- BZCR11: UR 984

- BZCR12: UG 727

- BZCR13: UA 607

- BZCR14: UM 215

- BZCR17: UA 410 (BZ-MPK-ONUDA)

- BZCR18: UG 857.

**7. CONTINGENCY ATS ROUTES NETWORK**

In the event of disruption of air traffic services within Brazzaville UTA, aircraft operators should file flight plans using alternative contingency routes listed in the scheme below:

**Note:** ATS routes not included in the table below are temporarily unavailable.

Contingency routes	FIR involved	Flight Levels assignment	Entry/Exit point	Communications means
UR984 (BZCR11)	Kinshasa	Westbound: FL300-FL400 Eastbound: FL290-FL390	ARKEV /MPK	CPDLC et HF: 8873-8903-13294-5493-8894
UG727 (BZCR12)	Kinshasa Ndjamen	Northbound: FL340-FL360 Southbound: FL330-FL350-FL370	BZ/TJN	CPDLC et HF: 8873-8903-13294-5493-8894
UA607 (BZCR13)	Kinshasa Ndjamen	Northbound: FL340-FL360 Southbound: FL330-FL350-FL370	MPK/RULDO	CPDLC et HF: 8873-8903-13294-5493-8894
UM215 (BZCR14)	Kinshasa Ndjamen	Northbound: FL300-FL340-FL360-FL400 Southbound: FL330-FL350-FL370-FL390	ONUDA/MERON	CPDLC et HF: 8873-8903-13294-5493-8894
UG856 (BZCR15)	Kinshasa	Northbound: FL300-FL400 Southbound: FL290-FL390	BZ/ MOVOD	HF: 6559-8903
UG861 (BZCR16)	Luanda	Northbound: FL340-FL360 Southbound: FL330-FL350-FL370	MOVOD /LIKAD	HF: 6559-8903
UA410 (BZCR17)	Kinshasa Ndjamen	Northbound: FL270-FL310-FL410 Southbound: FL280-FL320-FL380	BZ/ONUDA	CPDLC et HF: 8873-8903-13294-5493-8894
UG857 (BZCR18)	Ndjamen	Northbound: FL270-FL310 Southbound: FL280-FL320	DELOR/INASU	CPDLC et HF: 8873-8903-13294-5493-8894

## 8. PILOT AND OPERATOR PROCEDURES

### 8.1. Filing of flight plans

Flight plan requirements detailed in ASECNA AIP continue to apply during contingency operations, except where modified by the contingency ATS routes and FLAS specified by ATC and/or in NOTAM.

### 8.2. Overflight approval

Aircraft operators must obtain overflight approval from the State Civil Aviation Authority prior to operating flights through the state airspace in Brazzaville UTA. During the period of activation of this Contingency Plan, the adjacent ATS UNIT will provide normal ATC clearances for aircraft to enter the Brazzaville UTA. The adjacent ATS UNIT is not responsible for coordination or provision of overflight clearances for the Brazzaville UTA. The operator must ensure any required overflight approval has been obtained.

### 8.3. Pilots operating procedures

All aircraft transiting through Brazzaville UTA shall strictly comply with the following:

- a) Maintain contact with Libreville ACC or Ndjamena ACC according to the paragraph 6 of this contingency plan.
- b) Operate along or as close as possible to the centerline of the assigned contingency air traffic route.
- c) Reach the flight level assigned by Libreville ACC or Ndjamena ACC for the transit of Brazzaville UTA at least ten (10) minutes before entering Brazzaville UTA.
- d) Maintain the flight level assigned by the last adjacent ACC while operating within Brazzaville UTA, unless an emergency or flight safety reason exists.
- e) Maintain a continuous listening watch on the VHF frequency 126.9 MHz, and transmit blind in English on 126.9 MHz position reports five (5) minutes before and overhead each compulsory reporting point established along the respective air traffic route.
- f) Include in the last position report to the competent adjacent ACC the estimated time of arrival over the entry and exit points of Brazzaville UTA.
- g) Whenever emergencies and/or flight safety reasons make it impossible to maintain the flight level assigned for the transit of Brazzaville UTA, climb or descend well to the right of the centerline of the air traffic route being flown but remaining within Brazzaville UTA, and to inform immediately, by blind broadcast on the VHF frequency 126.9 MHz, all other aircraft likely to be affected by transmitting a relevant emergency level change message (comprising the aircraft call-sign, the aircraft position, the flight levels being left and crossed, etc.).
- h) Contact the competent adjacent ACC as soon as possible and at least ten (10) minutes before the estimated time of arrival over the relevant exit point of Brazzaville UTA to obtain clearance for entering the adjacent airspace concerned.
- i) Display navigation and anti-collision lights always during the transit of contingency airspace.
- j) The application of SLOP is strongly encouraged
- k) Transponders should be set on a discrete code assigned by ATC or select code A2000 if ATC has not assigned a code.

### COMMUNICATION PROCEDURES

#### 8.4. Degradation of Communication - Pilot Radio Procedures

8.4.1. When operating within the contingency airspace, pilots should use normal radio communication procedures.

8.4.2. In the absence of communication with ATC, the pilot should continue to make routine position reports on the assigned frequency and also broadcast positions in accordance with the TIBA procedures.

## 9. PUBLIC HEALTH EMERGENCIES

9.1. The Brazzaville ACC, upon receipt of information from a pilot or another ATS unit, regarding suspected case(s) of communicable disease, or other public health risk, on board the aircraft, shall forward a message as soon as possible to the ATS unit serving the destination / departure, unless procedures exist to notify the appropriate authority designated by the State and the aircraft operator or its designated representative.

9.2. To avoid misunderstanding that may result in inappropriate reaction from the stakeholders including air operators, information provided by the Health Sanitary Board (HSB) should be obtained in written form and relayed to air operators in written form. Where communication means do not enable relay of written text, the information shall be read verbatim.



## 10. VOLCANIC ASH CONTINGENCY PLAN (VACP)

- 10.1. If a volcanic ash cloud is reported or anticipated in Brazzaville UTA, Brazzaville ACC or the replacement ATC units (Libreville and Ndjamena ACC) should take the following actions:
- Immediately transmit relevant information to the flight crews of potentially affected aircraft to ensure that they are aware of the current position and expected position of the cloud and the concerned flight levels;
  - Respond to requests for a course change or a level change as far as possible;
  - Propose a route change to avoid or leave the reported or predicted areas of presence of the volcanic ash cloud when requested by the pilot or as the controller deems it necessary; and
  - Where possible, request a special flight report when the flight route enters or anticipates the planned volcanic ash cloud and transmit the report to the appropriate agencies.
- 10.2. When a flight crew informs Brazzaville ACC that they have inadvertently entered a cloud of volcanic ash, Brazzaville ACC should:
- Respect measures applicable to an aircraft in an emergency, and;
  - Alter the assigned route or level only if the pilot requests so or if the airspace or traffic conditions require it.

## 11. INTERCEPTION OF CIVIL AIRCRAFT

- 11.1. Pilots need to be aware that in light of current international circumstances, a contingency routing requiring aircraft to operate off of normal traffic flows, could result in an intercept by military aircraft. Aircraft operators must therefore be familiar with international intercept procedures contained in ICAO Annex 2- Rules of the Air, Paragraph 3.8 and Appendix 2, Sections 2 and 3.
- 11.2. Pilots need to continuously listen out on the VHF emergency frequency 121.5MHz and should operate their transponders always during flight, regardless of whether the aircraft is within or outside airspace where secondary surveillance radar (SSR) is used for ATS purposes. Transponders should be set on a discreet code assigned by ATC or select code A2000 if ATC has not assigned a code.
- 11.3. If an aircraft is intercepted by another aircraft, the pilot shall immediately:
- Follow the instructions given by the intercepting aircraft, interpreting and responding to visual signals in accordance with international procedures;
  - If possible, notify appropriate ATS Unit;
  - Set transponder code to 7700, unless otherwise instructed by the appropriate ATS unit;
  - Attempt to establish radio communication with the intercepting aircraft by making a general call on the emergency frequency 121.5MHz; and
  - If instructions are received by radio from any source that conflict with those given by the intercepting aircraft, the intercepted aircraft, shall request immediate clarification while continuing to comply with the instructions given by the intercepting aircraft.

## 12. SEARCH AND RESCUE

- 12.1. ATS UNITS involved in this contingency plan are required to assist any distressed aircraft of which they are aware and which flies over a contingency space.
- 12.2. The center that receives a distress message from an aircraft shall send the necessary messages (INCERFA, ALERFA or DETRESFA) to all authorities in the SAR service involved in this plan including the SAR authority of the center which is in contingency situation.
- 12.3. Each SAR authority shall assist as necessary its neighbor as requested in their LoA. Contact details of its SAR Authority are provided in paragraph 15.3 below.

## 13. PLAN TESTING AND REVIEW

- 13.1. The plan shall be tested by ATC simulation at least once per year.
- 13.2. A full review shall be conducted at least once per three years.

## 14. IMPLEMENTATION OF THE PLAN

The provisions of this contingency plan shall be promulgated by NOTAM to be issued by ASECNA in coordination with ICAO and the concerned States.

**15. ALL CONTINGENCIES UNITS****15.1. CENTRAL COORDINATING COMMITTEE**

N°	Member Title	Telephone	Email
1	Director of Civil Aviation Authority (ANAC)	+242 05 556 18 91 +242 06 656 18 91	
2	Airport general Director (AERCO)	+242 06 497 82 82	
3	Air Navigation Director of ASECNA (Head quarter)	+221 77 333 27 88 +221 33 869 56 51 +221 33 869 20 62	bakienonlou@asecna.org
4	Representative of Congo ASECNA	+242 05 377 95 10 +242 05 085 10 21	

**ASECNA HEADQUARTERS (CRISIS ROOM)**

N°	Member Title	Telephone	Email
1	BAKIENON Louis (Director of Operations)	+221 77 333 27 88 +221 338 69 56 51 +221 338 69 20 62	bakienonlou@asecna.org

**15.2 ATM OPERATIONAL CONTINGENCY GROUP**

N°	Member Title	Telephone	Email
1	Commander	+242 05 377 95 09	
2	In charge of en route control	+242 05 377 95 62	
3	Meteorological service manager	+242 05 377 95 05	
4	Maintenance service manager	+242 05 377 95 06	
5	Telecommunication service manager	+242 05 081 97 65	
6	NOTAM office manager	+242 05 377 95 64	
7	Aeronautical service manager	+242 05 377 95 20	
8	ACC manager	+242 05 377 95 01	
9	Tower manager	+242 05 377 95 65	

**15.3 SEARCH AND RESCUE POINT OF CONTACT**

Center	Member Title	Telephone	Email
Brazzaville	SAR focal point	+242 06 972 97 54 +242 05 508 61 31	



**PART II: LEVEL 3 CONTINGENCY (REQUIRING AVOIDANCE OF AFFECTED AIRSPACE)****UNAVAILABILITY OF STATE AIRSPACE WITHIN BRAZZAVILLE UTA****OBJECTIVES**

In the event that the total disruption of Air Traffic Services (ATS) within Brazzaville airspace does not allow to fly in the airspace affected, users are invited to circumvent the airspace.

Users may also choose to avoid the Brazzaville airspace by flight planning via any alternative ATS routes provided by adjacent ATS unit of Brazzaville ACC.

Users are advised to circumnavigate Brazzaville airspace and try to establish contact with the ATS unit responsible for the provision of air traffic service as soon as possible according to the route structure below.

STATE	AVOIDANCE ROUTING	FIR CONCERNED
CONGO	KSA-MBA-TUSOX-UA607-MPK-UR984-NLY-UH455-LV-DEDOS-UA400-ARAKI-VCA-BUDEL-KSA	Brazzaville FIR (Douala, Libreville); Luanda FIR; Kinshasa FIR
GABON	DLA-NLY-UL434-AMPIL-UG727-BZ-VCA-ARAKI-UA400-STM-UB737-DLA	Brazzaville FIR (Douala, Brazzaville, Sao-Tomé); Luanda FIR ; Accra FIR (Sao-Tomé)
CAMEROON	LV-UT143-BATVU-UA410-USKAV-UM731-FL-TANAD	Brazzaville FIR (Libreville, Brazzaville); Ndamena FIR
	TANAD-MIU-AKLIS-ONTAL-ARDEX-IPOVO-LV	Ndamena FIR ; Kano FIR ; Brazzaville FIR (Libreville)
REPUBLIC OF CENTRAL AFRICA	GODAL-UPATU-KEDOT-BUT-ISIRO-DEKUM-ALMAM-ILBIB-TJR-UG727-GODAL	Brazzaville FIR (Brazzaville); Ndamena FIR; Khartoum FIR; Kinshasa FIR
EQUATORIAL GUINEA	DLA-NLY-UR986-AGTIR-NEBEX-LV-UG856-ERAVA-ARDEX-ONTAL-DLA	Brazzaville FIR (Douala, Brazzaville, Libreville) ; Kano FIR

**EXAMPLE:**

Flights from North to South : Join the VOR FL (Ndamena) and follow instructions from Ndamena ACC.

Flights from East to West: Join the VOR KGI (Kisangani) and follow instructions from Kisangani/Kinshasa ACC.



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