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SUBJECT:

ATM CONTINGENCY MEASURES PLAN FOR ALGIERS FIR

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Document description

This document defines the arrangements and procedures to be implemented, for the en route part of Algiers FIR, in case of total or partial disruption of ATS services due to a technical breakdown, disasters (including natural disasters), and public health emergencies, in order to ensure the safety of air navigation.

Abbreviations list

ANAC : National Civil Aviation Agency

ATS : Air Traffic Services.

ATC : Air Traffic Control.

ACC : Area Control Centre.

ICAO : International Civil Aviation Organization.

CMP : Contingency Measure Plan.

GAT: General Air Traffic.

FIR : Flight Information Region.

NOTAM : Notice To AirMen.

RVSM : Reduced Vertical Separation Minimum.

CVSM : Conventional Vertical Separation Minima.

AIP : Aeronautical Information Publication.

IFR : Instrument Flight Rules.

VFR : Visual Flight Rules.

SSR : Secondary Surveillance Radar.

ATM : Air Traffic Management

IATA : International Air Transport Association.

VHF : Very High Frequency.

ESAF : Eastern and Southern African.

WACAF : Western and Central African.

EURNAT : European and North Atlantic.

1. Objective:

This ATS Contingency Plan's objective is to ensure the continued safety and provision of air navigation services in the event of total or partial disruption of air traffic services (ATS) in accordance with ICAO Annex 11. The plan outlines procedures that will allow aircraft operators to safely overfly the Algiers FIR airspace in case of disruption due to a technical breakdown, disasters (including natural disasters), and public health emergencies, ensuring the continued safety of air navigation

2. Concerned FIRs:

The activation of the contingency plan by the National Civil Aviation Agency will be subject to the diffusion of a NOTAM to all adjacent FIRs.

Adjacent FIRs affected by this plan are as follows:

Country	FIR
Spain	Barcelona Seville
Morocco	Casablanca
Mauritania	Nouakchott
Mali	Niamey
Niger	Niamey
Libya	Tripoli
Tunisia	Tunis
France	Marseille

Contact details of the relevant civil aviation authorities and organizations are given in Appendix 1.

3. Air traffic management

3.1. *ATS Responsibility*

In the event that Algiers ACC ATC services won't be or couldn't be provided for a period greater than 60 minutes (period of uncertainty), a NOTAM will be issued indicating the following:

- a. Date and time of the start of the contingency measures;
- b. Airspace available for landing and overflight as well as airspace to avoid;
- c. Details of available or unavailable equipment and services and any ATS arrangements made;
- d. The information about arrangements made for alternative services;
- e. Emergency ATS Route;
- f. Procedures to be followed by FIRs or adjacent structures
- g. Procedures to be followed by pilots;
- h. Any other details relating to the interruption.

Only the National Civil Aviation Agency can activate the contingency measures plan. Algiers ACC will then be responsible for issuing a NOTAM, in order to activate CMP of Algiers FIR.

3.2. *Separation*

- The longitudinal separation between two aircraft is 15 minutes;
- The vertical separation between two RVSM approved aircraft is 1000 feet.

Non-RVSM approved aircraft are not authorized to enter an RVSM area.

3.3. Level restriction

Flight levels are allocated to each route segment (see diagram of flight level allocation to routes related to the contingency measures plan. Diagram 1).

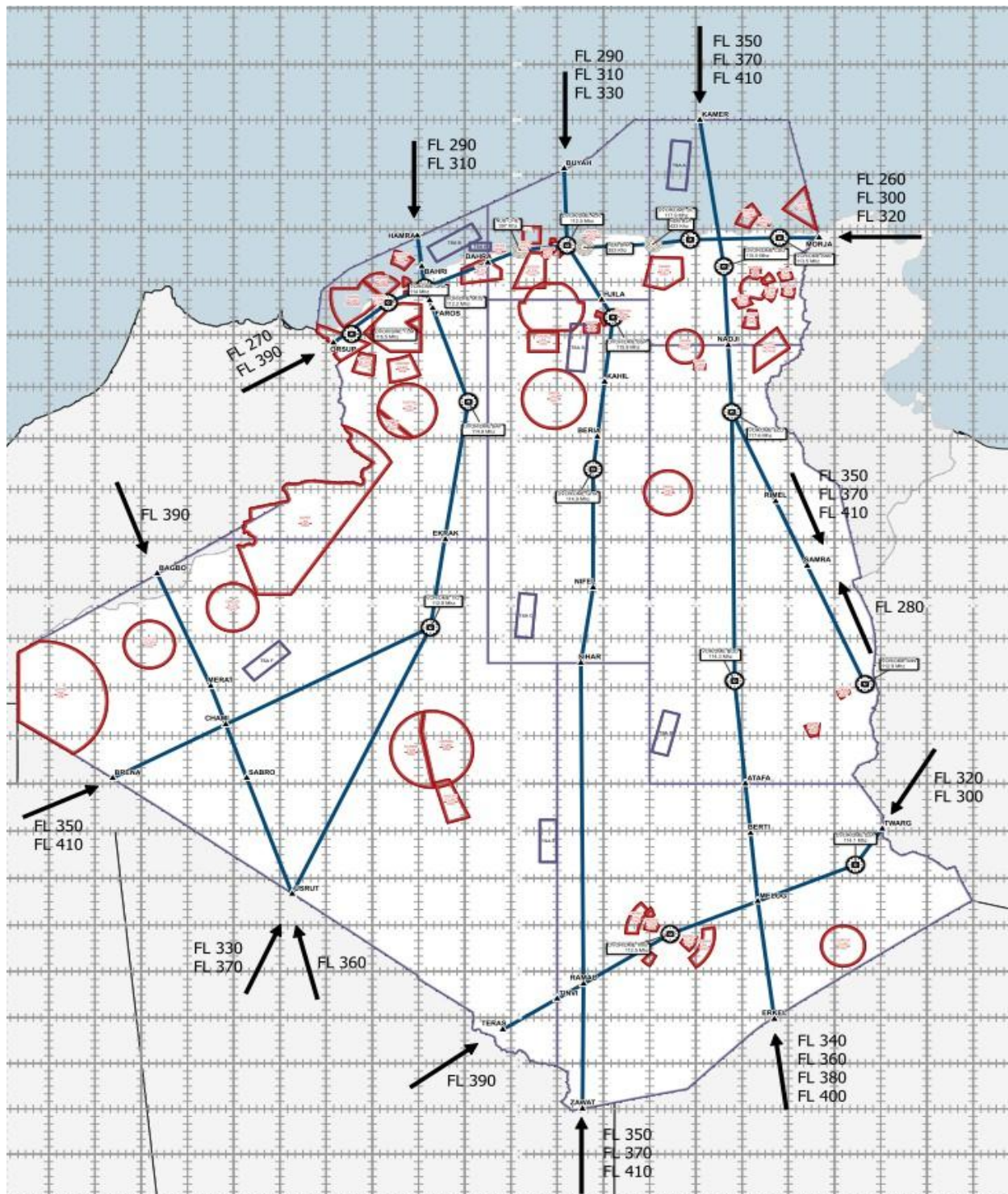


Diagram 1

Description of temporary ATS route network in Algiers FIR, in case of total/partial disruption of Algiers ACC services

The affected FIRs	Temporary ATS Routes	Transfer Point	Allocated flight levels
NIAMEY FIR BARCELONA FIR	UM 114 - UB726 - UJ66 - UN855 (ZAWAT-BUYAH)	ZAWAT : Common boundary Algiers FIR / Niamey FIR/UIR BUYAH : Common boundary Algiers FIR / Barcelona FIR.	South/North traffic : FL 350-FL 370-FL 410 North/South traffic : FL 290-FL 310-FL 330.
NIAMEY FIR BARCELONA FIR	UB735 - UG26 - UA604 - UA34 (USRUT-HAMRA)	USRUT : Common boundary Algiers FIR / Niamey FIR/UIR HAMRA : Common boundary Algiers FIR / Barcelona FIR.	South/North traffic : FL 330-FL 370. North/South traffic : FL 290-FL310.
NIAMEY FIR CASABLANCA FIR	UM629 (USRUT- BAGBO)	USRUT : Common boundary Algiers FIR / Niamey FIR/UIR BAGBO : Common boundary Algiers FIR / Casablanca FIR	South/North traffic : FL 360 North/South traffic : FL 390
NOUAKCHOTT FIR BARCELONA FIR	UG 864 - UG26 - UA604 - UA34 (BRENA- HAMRA)	BRENA : Common boundary Algiers FIR / Dakar FIR HAMRA : Common boundary Algiers FIR / Barcelona FIR.	South/North traffic : FL350-FL410 North/South traffic : FL290-FL310.
NIAMEY FIR MARSEILLE FIR	UR 978 (ERKEL- KAMER)	ERKEL : Common boundary Algiers FIR / Niamey FIR KAMER : Common boundary Algiers FIR / Marseille FIR.	South/North traffic : FL340-FL360-FL380-FL400. North/South traffic : FL350-FL370-FL410.
TRIPOLI FIR MARSEILLE FIR	UR985 - UR978 (IMN-KAMER)	IMN : Coordination point with Tripoli ACC KAMER : Common boundary Algiers FIR / Marseille FIR.	South/North traffic : FL 280. North/South traffic : FL 350-FL 370- FL 410.
TRIPOLI FIR NIAMEY FIR	UJ60 - UB727 (TWARG-TERAS)	TWARG : Common boundary Algiers FIR / Tripoli FIR. TERAS : Common boundary Algiers FIR / Niamey FIR	East/West traffic : FL 300- FL 320. West/East traffic : FL 390.
TUNIS FIR CASABLANCA FIR	UA411 (MORJA - ORSUP)	MORJA : Common boundary Algiers FIR / Tunis FIR ORSUP : Common boundary Algiers FIR / Casablanca FIR	East/West traffic : FL260-FL300-FL320 West/East traffic : FL270-FL390

3.4. Transition to the contingency measures plan

During the uncertainty period and when the application of the contingency measures plan will seem evident, aircraft operators should be prepared for a possible evolution in the routing of ATS routes (see diagram 1), and for what might be issued by a NOTAM.

3.5. Control and coordination transfer

Transfer of control and coordination should take place at the common boundaries FIRs, unless special arrangements have been made and agreed on between adjacent units.

3.6. Minimum information and alert service

In the event that Algiers ACC is closed, the minimum information and alert service will be provided to aircraft using the FIR (see frequency provided at aerodromes - diagram 2).

Frequencies	Aerodromes	Frequencies	Aerodromes
128.2 MHz 121.1 MHz (s)	Oran (DAOO)	118.1 MHz 119.7 MHz (s)	Tamenghasset (DAAT)
121.4 MHz 120.8 MHz (s)	Algiers (DAAG)	118.9 MHz 119.7MHz (s)	Ghardaïa (DAUG)
119.0 MHz 119.7 MHz (s)	Annaba (DABB)	119.9 MHz 119.7 MHz (s)	Adrar (DAUA)
119.7 MHz 118.7 MHz (s)	In Amenas (DAUZ)	118.7 MHz 119.7 MHz (s)	Bechar (DAOR)

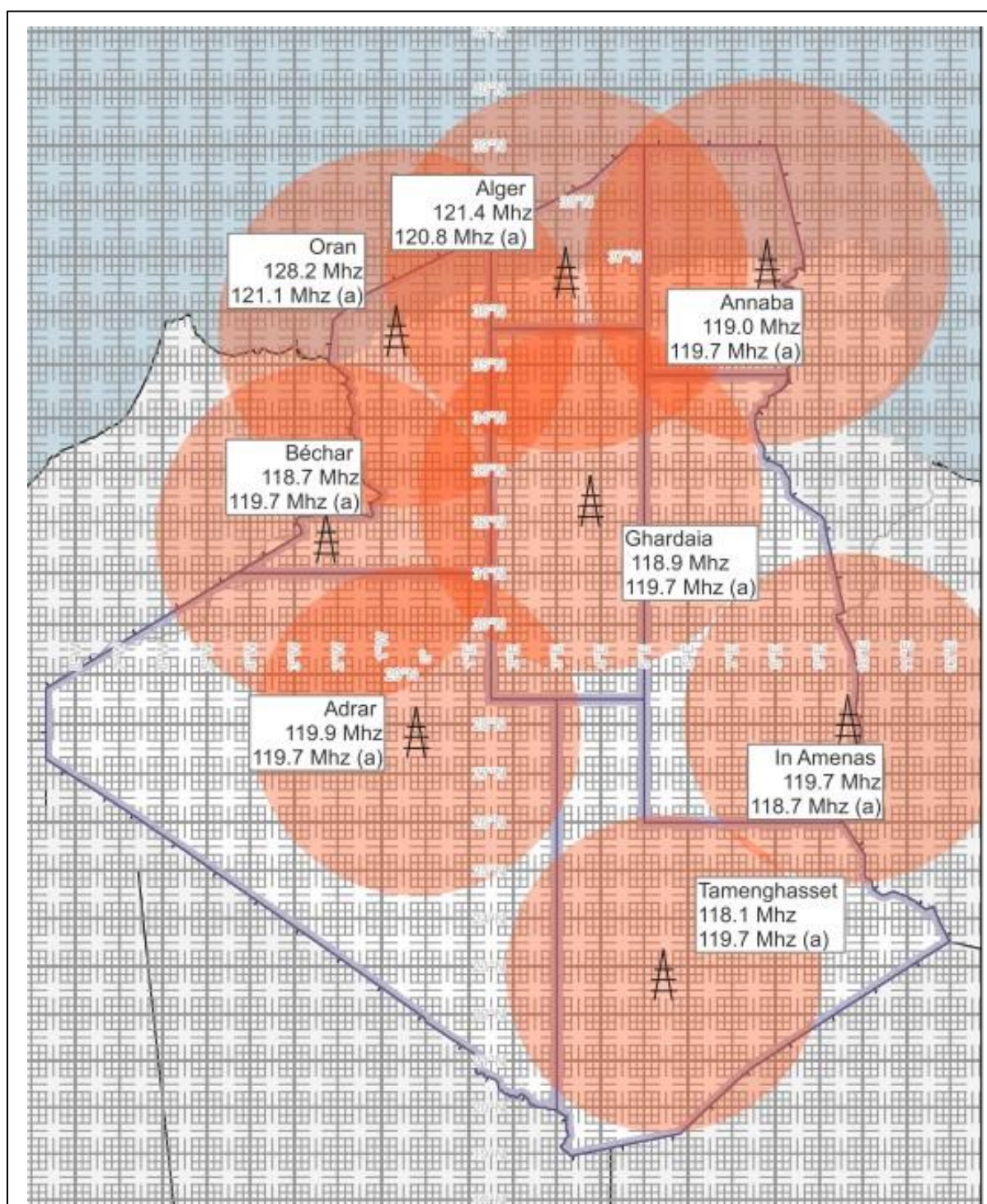


Diagram 2

3.7. Other measures:

- a. Suspension of IFR GAT flights (Departure and Arrival from Algerian Aerodromes).
- b. Suspension of VFR flights.
- c. Traffic regulation.

4. Aircraft Operator and Pilot Procedures:

Pilots will be informed of the emergency measures taken by a NOTAM.

The obligation to join a route defined in the contingency ATS routing plan, will eventually lead to aircraft leaving published ATS routes and flying over areas with special status, which could result in interception by military aircraft. Aircraft operators must therefore be aware of the national and international procedures to be applied in the event of an interception.

Pilots must continually monitor the emergency VHF frequency 121.5 MHz, as well as the appropriate frequencies of each aerodrome along their trajectory, to ensure that a minimum information and alert service can be provided (see diagram 2).

Carrying a Mode C transponder is mandatory in Algiers FIR; Pilots must display the A2000 code if ATC didn't assign them a code.

5. National unit of ATM contingency measures:

The national ATM contingency measures unit is set up by the National Civil Aviation Agency (ANAC), this agency is responsible for ensuring the application of the contingency measures plan and for the coordination between the different concerned organizations.

It is composed of: (see appendix 2)

During the exceptional situation, the national contingency unit, in coordination with the involved FIRs and the ICAO regional offices ESAF and WACAF and EURNAT (see Appendix 3), will make sure:

- a) To follow the situation carefully and coordinate with all affected states, territories and the IATA regional office, to ensure that air navigation services are provided to international aircraft operators;
- b) To keep a record of all incidents and take appropriate measures;
- c) To Provide assistance in a prescribed manner on any matter related to the contingency plan;
- d) Keep the ICAO Council President and the General Secretary continuously informed about the developments of the situation, including the launch of contingency measures.

6. Back to normal situation:

The arrangements defined hereby, are of a temporary nature; they remain in effect, only until air navigation facilities and services are re-established. From that instant, a NOTAM will be sent to all concerned destinations, indicating the end of the contingency measures and the return of air navigation facilities and services back to normal operations.

Appendix 1- Contact details of adjacent FIRs

Address		TPH Number	FAX number or other	E-mail	AFTN
Spain	Seville ACC	Tél : + 34 954 555 416 Tél : + 34 954 555 434 Tél : + 34 936 624 405	FMP : + 34 936 624 435	lecsfmp@enaire.es rperianez@enaire.es	LECSZQZX LECSYFYX
	Barcelona ACC	Tél : + 34 933 786 139	FMP : + 34 93 378 61 44	lecbsupops@enaire.es	LECBZGZX
Morocco	Casablanca ACC	Tél : +212 619 327 970 Tél : +212 522 539 012 Tél : +212 660 101 001 Tél : +212 660 101 002	Tél : + 212 522 539 209	h.moumni@onda.ma j.kaiter@onda.ma	GMMMZQZX
Mauritania	Nouakchott ACC	Tél : + 222.28.58.86.46	/	M'BODJlbr@asecna.org	GQNOZQZX
Niger	Niamey ACC	Tél : + 227 20 733 586 Tél : + 87 077 215 203	/	quelpinaceu@asecna.org	WEST ACC: DRRRZQZX EST ACC : DRRNZIZX
Libya	Tripoli ACC	Tél : + 218 213 619 380	/	omar.aboudabar@caa.ly	HLLLZQZX
Tunisia	Tunis ACC	Tél : +216 71 783 126 Tél : + 216 71 754 433	Tél/fax : +216 71 754 433 Tél/fax : +216 71 754 433	mustapha.mnasser@oaca.nat.tn	DTTCZQZX
France	Marseille ACC	Tél : +33 442 337 855 Tél : +33 658 474 269	/	jerome.lautrette@aviaiton-civile.gouv.fr	LFMMZRZX

Appendix 2 - Contacts details of the national ATM contingency measures unit members

State/Organism	Quality	Phone	Email
National Civil Aviation Agency (ANAC)	Deputy Director for Airspace Management	Tél : + 213 23 873 775 Mobile : + 213 770 103 007	sdgea@anac.dz
	Head of ATM-AIM Surveillance Department	Tél : + 213 23 873 775 Mobile : + 213 770 499 268	sdna@anac.dz
	Head of Aeronautical Systems and Installations Department	Tél : + 213 23 873 775 Mobile : + 213 770 890 291	sdna@anac.dz
National Air Navigation Establishment (ENNA)	General Director of ENNA	Tél : +213 23 515 370 Tél : + 213 23 515 369 Mobile : +213 661 463 463	dg@enna.dz
	Divisional of Air Navigation Operations	Tél : +213 21 672 060 Tél/fax : +213 21 671 001 Mobile : +213 660 633 222	dena@enna.dz
	Head of Algiers Regional Control Center	Tél /fax: + 213 23 978 568 Mobile : + 213 660 638 701	denaccr@enna.dz
Military authority	Head of Military Coordination Detachment	Tél : + 213 21 675 394 Mobile : + 213 655 514 089	dmc@mdn.dz

Appendix 3 - List of points of contact of ICAO and IATA regional offices

State/Organism	Contact Point	Phone	e-mail
IATA Regional Office for Africa & Middle East (AME)	Mme. Lindi Lee Kirkman	Tél : +27 115 232 700	kirkmanl@iata.org
	Mme. Zainab Khudhair	Tél : +962 795 222 602	khudhair@iata.org
ICAO/ESAF	Mme. Lucy Mbugua Regional Director	Tél : +254 207 622 395 Tél : +254 207 622 396 Fax : +254 207 621 092	icaoesaf@icao.int
	Mr. Arthemon Ndikumana Deputy Regional Director	Tél : +254 706 394 739 Tél : +254 207 622 370 Fax : +254 207 621 092	andikumana@icao.int
	Mr. Colin Bryant Régional Officier ATM & SAR	Tél : + 254 207 622 375 Mobile : +254 742 223 775	cbryant@icao.int
	Mme. Keziah Ogutu Régional Officier ATM & SAR	Tél : +254 207 622 372 Mobile : +254 727 366 293	KOgutu@iacao.int

