



TRINIDAD AND TOBAGO CIVIL
AVIATION AUTHORITY

ATS CONTINGENCY PLAN
PIARCO FIR

June, 2019

ATS CONTINGENCY PLAN

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1. OBJECTIVE

- 1.1 This Contingency Plan contains arrangements to ensure the continued safety of air navigation in the event of partial or total disruption of air traffic services (ATS) within the Piarco Flight Information Region and is related to ICAO Annex 11 - Air Traffic Services Chapter 2, paragraph 2.28.
- 1.2 This Contingency Plan is designed to provide alternate routes, using existing air routes in most cases, which will allow aircraft operators to fly through or avoid airspace within the Piarco FIR.

2. AIR TRAFFIC MANAGEMENT

2.1 Air Traffic Services Responsibilities

- 2.1.1 Tactical air traffic control (ATC) considerations during periods of over-loading may require re-assignment of routes or portions thereof.
- 2.1.2 Alternative routes are designed to maximise the use of existing ATS route structure, communications, navigation and surveillance services.
- 2.1.3 In the event that ATS cannot be provided within the Piarco FIR, the Trinidad and Tobago Civil Aviation Authority (TTCAA), through the Piarco Area Control Centre (ACC) shall publish or cause to be published, the corresponding NOTAM indicating the following:
 - a. Time and Date of the beginning of the Contingency Measures;
 - b. Airspace (Air Routes) available for arriving, departing and over-flying traffic, and airspace to be avoided;
 - c. Details of the facilities and services available or not available and any limits on the provision of ATS (e.g. ACC, TMA, APP, TWR and FIS), including an expected date/time of restoration of services if available;
 - d. Information on the provisions made for alternate services;
 - e. ATS Contingency routes;
 - f. Procedures to be followed by neighbouring 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.

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- 2.1.4 In the event that the Piarco ACC is unable to issue the NOTAM, the alternate ACC (San Juan) will take action to issue the NOTAM of closure of airspace upon notification by the TTCAA (Piarco ACC) or the ICAO NACC Regional Office.

2.2 Separation

- 2.2.1 Separation criteria will be applied in accordance with the ICAO Procedures for Air Navigation Services-Air Traffic Management (PANS-ATM, Doc 4444) and the Regional Supplementary Procedures (Doc 7030).

2.3 Level Restrictions

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

2.4 Other Measures

- 2.4.1 Other measures related to the closure of airspace and the implementation of the Contingency Plan within the Piarco FIR may be taken as follows:
- a. Suspension of all VFR Operations
 - b. Delay or suspension of General Aviation IFR Operations; and
 - c. Delay or suspension of commercial IFR Operations.

3 TRANSITION TO CONTINGENCY PLAN

- 3.1 During times of uncertainty when airspace closures seem possible, aircraft operators should be prepared for a possible change in routing while en-route. Familiarisation of the alternate routes outlined in the Contingency Plan as well as what may be promulgated by Trinidad and Tobago (Piarco ACC) via NOTAM or AIP is necessary.
- 3.2 In the event of airspace closure that has not been promulgated, Piarco ATS would, if possible, broadcast or cause to be broadcast to all aircraft in the airspace under its jurisdiction, what airspace is being closed/affected and to stand by for any further instructions.

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- 3.3 Trinidad and Tobago ATS (Piarco ACC) recognise that when closures of airspace or airports are promulgated, individual airlines might have different company requirements as to their alternate routings. In that regard Piarco ATS would be alert to respond to any request by aircraft and react commensurately with safety.

4. TRANSFER OF CONTROL AND COORDINATION

- 4.1 The transfer of control and communications shall be at the common FIR boundary between ATS units unless there is mutual agreement between adjacent ATS units.
- 4.2 Trinidad and Tobago ATS (providers) would keep under review current coordination requirements in light of contingency operations or short notice of airspace closure.

5. PILOTS AND OPERATOR PROCEDURES

- 5.1 Pilots need to be aware that in light of current international circumstance, a Contingency Routing requiring aircraft to operate off 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 to the Chicago Convention, paragraph 3.8 and Appendix 2, Section 2 and 3 (2005).
- 5.2 Pilots need to continuously guard the VHF emergency frequency 121.5 MHz and should operate their transponder at all times during flight, regardless of whether the aircraft is within or outside airspace where secondarily surveillance radar (SSR) is used for ATS purposes. Transponders should be set on a discrete code assigned by ATC or select code 2000 if ATC has not assigned a code.
- 5.3 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;
 - Notify, if possible, the appropriate ATS Unit;
 - Attempt to establish radio communication with the intercepting aircraft by making a general call on the emergency frequency 121.5 MHz and 243 MHz if equipped; and
 - Set transponder to code 7700, unless otherwise instructed by the appropriate ATS Unit.

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- 5.4 If any instructions received by radio from any source 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.

6 OVERFLIGHT APPROVAL

- 6.1 Where required, Aircraft Operators should obtain over-flight approval from States for flights operating through airspace under their jurisdiction.
- 6.2 In a contingency situation, flights may be rerouted at short notice and it may not be possible for operators to give the required advance notice in a timely manner to obtain approval.
- 6.3 States responsible for the airspace in which contingency routes are established should consider making special arrangements to expedite flight approvals in these contingency situations.

7 CONTINGENCY UNIT

- 7.1 The ATM National Contingency Unit assigned the responsibility of monitoring developments that may dictate the enforcement of the Contingency Plan and coordination of contingency arrangements is:

Name of Agency:	TTCAA - Air Navigation Services Division
Contact Person:	Rohan Garib - Executive Manager Air Navigation Services (EMANS)
Telephone:	(1-868) 669 – 4806
Mobile:	(1-868) 689 – 4889
Piarco ACC	(1-868) 669 - 4852
Fax:	(1-868) 669 - 5239
Email:	rgarib@caa.gov.tt

- 7.2 The National Contingency Unit (Office of the EMANS) will liaise with the ICAO NACC Regional Office.

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- 7.3 The ICAO NACC Regional Office will:
- a. closely monitor the situation and coordinate with all affected States and the IATA Regional Office, so as to ensure ANS are provided to international aircraft operations in the CAR Region;
 - b. Take note of any incidents reported and take appropriate actions;
 - c. provide assistance as required on any issue with the Civil Aviation Administration/s involved in the Contingency Plan; and
 - d. Keep the President of the Council of ICAO, the Secretary General, the Chief Regional Affairs Officer, the Director of the Air Navigation Bureau and the Chief of the ATM Section continuously informed on developments, including activation of the Contingency Plan.

8. REROUTING SCHEME

- 8.1 In the event of a complete Air-to-Ground/Ground-to-Air and Point-to-Point Communications Failure at the Piarco ACC aircraft operators should file their flight plans using the alternative Contingency Routes (CR) listed in the Scheme appended to this Sub-regional ATM Contingency Plan in order to ensure receipt of ATS.
- 8.2 All aircraft should establish and maintain contact on published VHF frequencies with the (designated) ATS Unit (APP/TMA/ACC) responsible for the airspace being transited. Additionally, aircraft should broadcast their position and intention on Emergency Frequency 121.5 MHz and on pilots' air to air frequency 123.45 MHz.
- 8.3 All aircraft shall be cleared to maintain a cruise flight level correlated to track/direction of flight.
- 8.4 List of Points of contact of all concerned States, IATA and ICAO NACC Office.

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STATE/INTL. ORG.	P.O.C.	TELEPHONE/FAX	E-MAIL
ANTIGUA AND BARBUDA V.C. Bird TMA	Chief of ATS	Telephone: 1 (268) 462 4703 Fax: 1 (268) 462 4703	catsvcbird@yahoo.com
BARBADOS Grantley Adams TMA	Chief ATC Officer	Telephone: 1 (246) 428 6162 Fax: 1 (246) 428 2539	catcobgi@sunbeach.net
CABO VERDE SAL OAC	Chief of ATC SAL ACC	Telephone: + 238 241 19 70 + 238 241 41 51 Fax: + 238 241 12 19	atcontrol@asa.cv
FRENCH GUIANA Rochambeau ACC	Direction Générale de L'aviation Civile	Telephone: +596 596 42 25 07 Mobile: +596 696 96 11 07 +594 694 91 63 63 Fax: + 01 58 09 35 35	jean-jacques.deschamps@aviation-civile.gouv.fr guillaume.robert@aviation-civile.gouv.fr
GRENADA Maurice Bishop TMA	Manager ATS	Telephone: 1(473) 444 4114 Fax: 1 473 444 4838	wdeallie@mbiagrenada.com
GUADELOUPE, FRENCH ANTILLES Guadeloupe TMA	Direction Générale de L'aviation Civile	Telephone: +596 596 42 25 07 Mobile: +596 696 96 11 07 Fax: + 01 58 09 35 35	jean-jacques.deschamps@aviation-civile.gouv.fr
GUYANA Georgetown ACC	Director ANS	Telephone: + 592 261 2217 + 592 608 5545 + 592 608 6380 Fax: + 592 261 2279	rsamaroo@gcaa-gy.org gy.orgrsookhoo@gcaa-gy.org
IATA	FAA Liaison Desk	1 786 536 3476 1 305 399 2053	faa-liaison@iata.org vidalm@iata.com
ICAO NACC	Regional Officer ATM/SAR	+52 1 55 3643 9265	emendez@icao.int

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STATE/INTL. ORG.	P.O.C.	TELEPHONE/FAX	E-MAIL
MARTINIQUE, FRENCH ANTILLES Martinique TMA	Direction Générale de L'aviation Civile	Telephone: +596 596 42 25 07 Mobile: +596 696 96 11 07 Fax: + 01 58 09 35 35	jean-jacques.deschamps@aviation-civile.gouv.fr
PORTUGAL Santa Maria ACC	Santa Maria Oceanic FIR	Telephone: + 351 296 20501 Fax: + 351 296 86116	dopatl@nav.pt
ST. LUCIA	Remy Avril ATCO III – ATS Supervisor	Telephone: 1 (758) 457 6167 EXT 7014 Mobile: 1 (758) 728 4886	remy.avril@salspa.com
ST. VINCENT AND THE GRENADINES Argyle TMA	Director of Airports Chief ATC	Telephone: 1 (784) 456 5994 Fax: (784) 458 4786	catcsvg@gmail.com
SENEGAL DAKAR ACC	Director of Civil Aviation	Telephone: (+221)338200705 Fax: (221)338207495	bassedia@asecna.org diawism@asecna.org
SURINAME Paramaribo ACC	Department of Civil Aviation	Telephone: + 597 498 898 +597 497 914 Fax: + 597 498901	cat.atmcns@tct.gov.sr
TRINIDAD AND TOBAGO TTCAA - ANS	Executive Manager ANS	Telephone: 1 868 669 4806 Fax: 1 868 669 5397	rgarib@caa.gov.tt
TRINIDAD AND TOBAGO TTCAA / Piarco ATS	Manager ATS	Telephone: 1 868 669 4852 1 868 669 4806 Fax: 1 868 669 0635	abrathwaite@caa.gov.tt

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STATE/INTL. ORG.	P.O.C.	TELEPHONE/FAX	E-MAIL
UNITED STATES New York OAC	Manager of Operations	Telephone: 1 631 468 5971	jim.webb@faa.gov
UNITED STATES San Juan ACC	Support Manager Miami District	Telephone: 1 (787) 253 8695 Mobile: (787) 529 8952	eddie.perez@faa.gov
VENEZUELA Maiquetia ACC	Omar Linares	Telephone: + 58 (212) 355 1358	o.linares@inac.gob.ve

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PIARCO / MAIQUETIA / SAN JUAN / NEW YORK / SANTA MARIA/ DAKAR / SAL / ROCHAMBEAU / PARAMARIBO / GEORGETOWN FLOWS

Air traffic overflying the Piarco FIR into Maiquetia, San Juan, New York Oceanic, Santa Maria, Sal, Dakar, Rochambeau, Paramaribo, and Georgetown FIRs **and reverse** shall be accommodated on the following Contingency Routes and Flight Level/s

Present ATS Route	Contingency Route (CR) Designator	Contingency Routes Available	Applicable Flight Level	Remarks	FIRs Affected
MEGIR POS 11N060W 14N055W 18N050W and Reverse	CR01	MEGIR POS DCT 18N050W and Reverse	FL390 FL320/ FL360	All Traffic shall cross the SVZM/TTZP/KZNY Boundaries at and maintaining the Prescribed Contingency Route and Stated Flight Level	SVZM/TTZP/KZNY
DRDGE - FOF - UA551 - ONGAL	CR02	DRDGE- FOF - UA551 - ONGAL	FL300/ FL320 FL360/ FL400	All Traffic shall cross the KZNY/TTZP/SVZM Boundaries at and maintaining the Prescribed Contingency Route and Stated Flight Level	KZNY/TTZP/SVZM
ITEGO - UA550 - PPR - BNJEE	CR03	ITEGO - UA550 - PPR BNJEE	FL330/ FL370	All Traffic shall cross the SVZM/TTZP/KZNY Boundaries at and maintaining the Prescribed Contingency Route and Stated Flight Level	SVZM/TTZP/KZNY
ANADA UG449 POS UA324 MINDA	CR04	ANADA UG449 POS UA324 MINDA	FL310/ FL350/ FL410	All Traffic shall cross the TJZS/TTZP/SYGC Boundaries at and maintaining the Prescribed Contingency Route and Stated Flight Level	TJZS/TTZP/SYGC

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Present ATS Route	Contingency Route (CR) Designator	Contingency Routes Available	Applicable Flight Level	Remarks	FIRs Affected
MINDA UA324 POS UG449 ANADA	CR05	KORTO DCT GEECE	FL340/ FL380	All Traffic shall cross the SYGC /TTZP/ TJZS Boundaries at and maintaining the Prescribed Contingency Route and Stated Flight Level	SYGC /TTZP/ TJZS
ILURI UA555 TRAPP And Reverse	CR06	ILURI UA555 BGI UA555 ILURI	FL290/ FL310 FL340/ FL380	All Traffic shall cross the TJZS/TTZP/SMPM Boundaries at and maintaining the Prescribed Contingency Route and Stated Flight Level	TJZS/TTZP/SMPM
UL576 and reverse	CR07	CITRS UL576 TRAPP and reverse.	FL410 FL430	All Traffic shall cross the KZNY/TTZP/SMPM Boundaries at and maintaining the Prescribed Contingency Route and Stated Flight Level	KZNY/TTZP/SMPM
BUTUX – DCT – IRELA and Reverse	CR08	BUTUX DCT IRELA and Reverse	FL310/ FL370 FL340/ FL380	All Traffic shall cross the KZNY/TTZP/GOOO Boundaries at and maintaining the Prescribed Contingency Route and Stated Flight Level	KZNY/TTZP/GOOO

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Present ATS Route	Contingency Route (CR) Designator	Contingency Routes Available	Applicable Flight Level	Remarks	FIRs Affected
TRAPP – DCT – BUTUX and Reverse	CR09	TRAPP DCT BUTUX and Reverse	FL330/ FL350 FL320/ FL360	All Traffic shall cross the SMPM/TTZP/KZNY Boundaries at and maintaining the Prescribed Contingency Route and Stated Flight Level	SMPM/TTZP/KZNY
IPSIN DCT TODIS	CR10	IPSIN DCT TODIS and Reverse	FL320 FL360 FL390	All Traffic shall cross the LPPO/TTZP/SOOO Boundaries at and maintaining the Prescribed Contingency Route and Stated Flight Level	LPPO/TTZP/SOOO
TUTLO DCT PUBLI and Reverse	CR11	TUTLO DCT PUBLI and Reverse	FL330/ FL350 FL300/ FL400	All Traffic shall cross the LPPO/GVSC/GOOO/TTZP/SOOO Boundaries at and maintaining the Prescribed Contingency Route and Stated Flight Level	LPPO/GVSC/ GOOO TTZP/SOOO

ATS CONTINGENCY PLAN PIARCO (CTA/UTA) FIR

