



International Civil Aviation Organization

NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN OFFICE

Twenty-Eighth Eastern Caribbean Working Group Meeting (28 E/CAR WG)

Montserrat, 26 to 30 April 2004

28 E/CAR WG – WP/29

19/04/04

Agenda Item 3: Specific Air Navigation Activities and Developments
3.5 Air Traffic Management (ATM)

**HARMONIZATION OF METHODS, AND COORDINATION PROCEDURES
BETWEEN THE FIVE ATC CENTERS AROUND E.T. JOSHUA TMA**

(Presented by France)

SUMMARY
This Working paper presents the report of the meeting that was hold between PIARCO, ST LUCIA and MARTINIQUE, in order to establish a harmonized and more secure coordination protocol, and to give substance to the updating of all letters of agreement as recommended in 27th E/CAR IWG.
References: • 27th E/CAR IWG report. Appendices: • Appendix A: Report of March 1st reunion at ST LUCIA • Appendix B: Traffic Diagram

1. Introduction

1.1 As a follow up of the creation of the TVSV and TGPY TMAs, the need of signing and / or updating appropriate letters of agreement was recommended by the 27th E/CAR IWG. But in order to give these letters all their substance, a real harmonization of coordination methods, was necessary.

1.2 A meeting dealing with this harmonization took place in St Lucia, the 1st of March 2004. The debates and agreements reached between PIARCO, ST LUCIA and MARTINIQUE are described in the **Appendix A** of this WP.

1.3 France, wrote the report of the meeting and was invited to present it at the next E/CAR WG meeting

2 Suggested Action

2.1 The meeting is invited

- a) to take note of the report in Appendix A,
- b) to invite all parties to consider conclusions and recommendations stated in the report,
- c) to give their observations and advice, and
- d) to update with no delay letters of agreement accordingly.

APPENDIX A

REPORT of March 1st Reunion at ST LUCIA

Fort de France Navigation Division.
Followed by Bernard ERRECA.

1 Background

1.1 After the creation of E.T JOSHUA and POINT SALINES TMA'S October 2nd 2003, a need for new methods of coordination, and updating of all letters of agreement appeared.

1.2 Since several ATC units were involved, after center to center initial contacts, a reunion involving PIARCO, SAINT LUCIA, SAINT VINCENT, ADAMS and MARTINIQUE centers was programmed, at MARTINIQUE and SAINT LUCIA initiative, with the following

AGENDA:

- 1) Coordination procedures concerning traffic inbound and outbound TVSV, TVSC, TLPL, and TLPC;
- 2) PIARCO- FORT DE FRANCE coordination's and Oceanic clearance procedures.
- 3) PIARCO- FORT DE FRANCE-BARBADOS : coordination procedure for traffic outbound Fort de France, requesting > FL 245, to PIARCO airspace via BARBADOS airspace.

2 Opening

2.1 At 9.30 a.m., M. PETER F. JEAN, Director of Airports, accompanied by M. SIXTUS HENRY, Civil Aviation and Projects Officer, St Lucia, warmly welcomed the members of the reunion, and wished us all to succeed in finding the solutions of the problems we had come to solve.

3 Members

3.1 PIARCO ATC Unit:

- M. TREVOR DOWRICH, Manager Air Traffic Services;
- M. INSHAN ALI, Air Traffic Controller.

3.2 SAINT LUCIA ATC Unit:

- M. ERROL CHERUBIN, Senior Air Traffic Control Officer;
- M. LYNDEN LEONCE, Air Traffic Controller.

3.3 FORT DE FRANCE ATC Unit:

- ROGER TREUTENAERE, ATS Manager, Fort de France Airport;
- BERNARD ERRECA, Assistant, Fort de France Airport;
- DAVID KNEUR, Air Traffic Controller;
- DOMINIQUE LOGEAIS, Air Traffic Controller.

4 Debates

All present members regretted the absence of representatives of E.T. JOSHUA and ADAMS ATC Centers, and wanted to make a point, that, recommendations resulting today's negotiations requested the two absent ATC Center's observations.

We will not relate all the discussions, but only specify our unanimously approved conclusions.

In order to answer Item n°1 of the agenda: Methods and coordination around TVSV TMA, the members accepted the following general rules:

4.1 Each Airport must communicate E.T.D and Transponder code information to PIARCO ACC as soon as possible for all traffic to enter PIARCO Airspace. (M. TREVOR DOWICH will be in charge of obtaining a family of codes for E.T. JOSHUA).

4.2 Each ATC Center must coordinate with only the adjacent ATC Center at least 15 minutes prior to boundary estimate.

4.3 The following recommendations can always be amended by specific coordination when needed so.

5 Conclusions and Recommendations:

5.1 *Methods and coordination around TVSV TMA:*

5.1.1 TLPL:

Inbound from the south FL> 140: PIARCO coordinates with E.T. JOSHUA FL100 or below so that E.T. JOSHUA coordinates with HEWANORRA, FL 100 maximum at RIBOR.

E.T. JOSHUA must make a rule for traffic arriving from the east (inbound TVSV and TVSC from BARBADOS airspace) to be FL 90 or lower at E.T JOSHUA east boundary (GOTHER or AMULA).

Southbound departure: HEWANORRA coordinates with E.T. JOSHUA; E.T. JOSHUA coordinates with PIARCO or POINT SALINES according to FL.

5.1.2 TLPC:

Inbound from the south FL>140: PIARCO coordinates with FORT DE FRANCE, FORT DE FRANCE coordinates with HEWANORRA.

Southbound departure: HEWANORRA coordinates with FORT DE FRANCE, FORT DE FRANCE coordinates with PIARCO or E.T. JOSHUA according to FL.

5.1.3 TVSV:

All northbound departures: E.T. JOSHUA coordinates with HEWANORRA, HEWANORRA coordinates with FORT DE FRANCE.

Inbound from the north: FORT DE FRANCE coordinates with HEWANORRA, HEWANORRA coordinates with E.T. JOSHUA.

5.1.4 TVSC:

Northbound departure RFL>105: E.T. JOSHUA coordinates with FORT DE FRANCE a FL between FL 110 and FL130 at RIBOR.

Arrivals from the north: FORT DE FRANCE coordinates with E.T. JOSHUA a FL between FL 110 and FL 130 at RIBOR.

5.2 *PIARCO-FORT DE FRANCE coordination and oceanic clearance procedures:*

If FORT DE FRANCE possesses PLN : no use to check with PIARCO. The system is presumed reliable enough. In case of failure, PIARCO ACC Supervisor will advise FORT DE FRANCE Supervisor of procedure to be applied (procedure will be described in PIARCO - FORT DE FRANCE Letter of Agreement) .

5.2.1 At Push back , FORT DE FRANCE communicates precise E.T.D. and transponder code information to PIARCO (around 15 minutes before take-off).

5.2.2 At take-off, FORT DE FRANCE coordinates traffic climbing on route to FL240 with actual departure time.

5.3 *Coordination procedure for traffic outbound FORT DE FRANCE for PIARCO Airspace via BARBADOS Airspace:*

- 1) FORT DE FRANCE communicates E.T.D. and transponder code information as soon as possible to PIARCO.
- 2) FORT DE FRANCE coordinates with ADAMS at least 15 minutes before FORT DE FRANCE - ADAMS common boundary. ADAMS coordinates with PIARCO at least 15 minutes before ADAMS - PIARCO common boundary.

5.4 *End of reunion.*

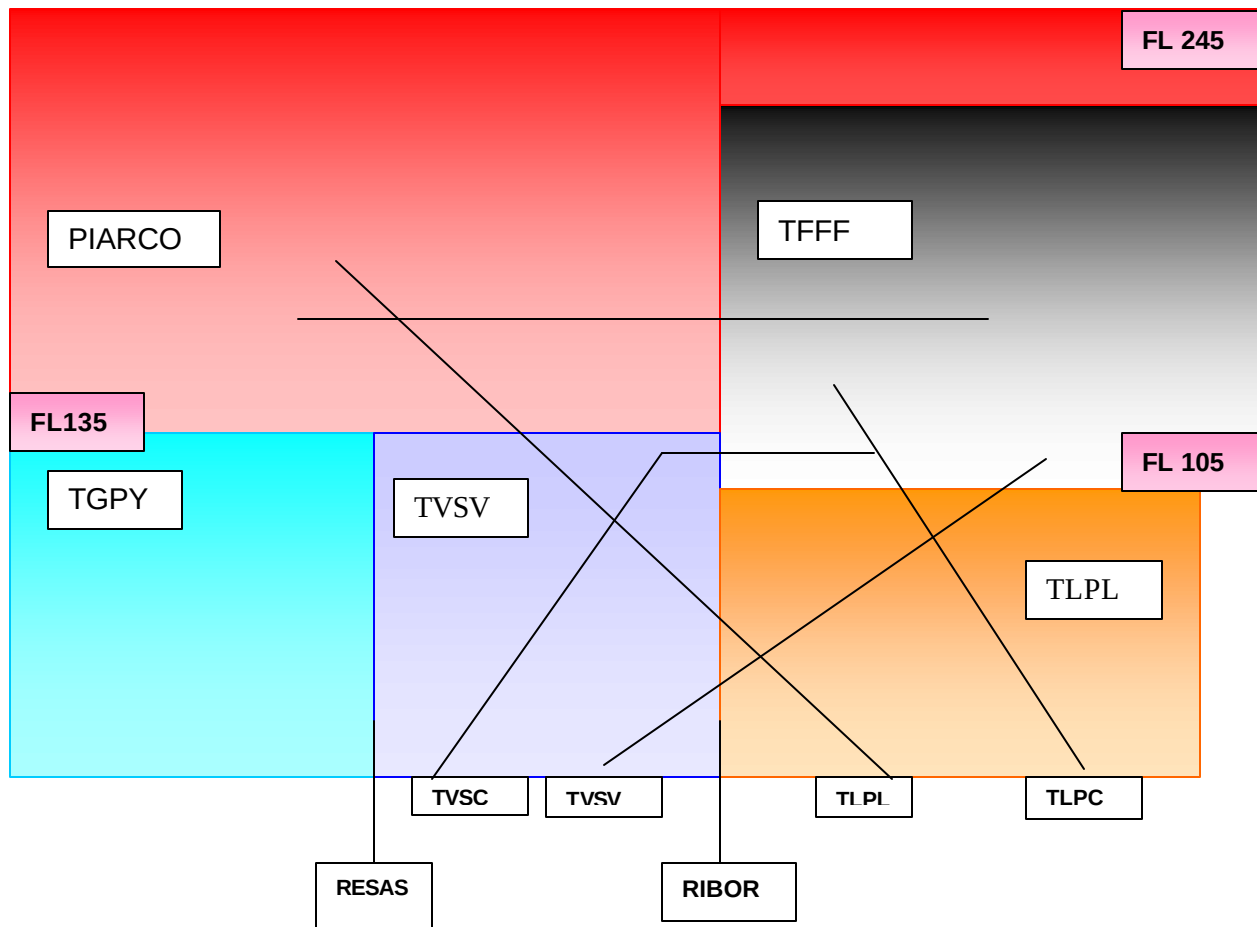
5.4.1 M. TREVOR DOWRICH, Trinidad and Tobago, suggests the conclusions of our work, should be added to the agenda of next E.C.G.W. reunion.

5.4.2 Fort de France will prepare a working document for the purpose.

5.4.3 The reunion was ended at 16H30 as planned to respect return airline schedule.

5.4.4 We want to specially thank SAINT LUCIA staff, for the kindness and quality of the organization.

APPENDIX B
DIAGRAM OF COORDINATIONS



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