# Safety events in Antananarivo FIR

AIR TRAFFIC MANAGEMENT COORDINATION MEETING FOR SOUTHERN FLIGHT INFORMATION REGION
Johannesburg, February 03rd to 05th  2015

1

# TREATMENT PROCEDURE OF SAFETY EVENTS IN ASECNA

This information paper aims to describe the procedure for investigations of safety events in ASECNA, comparative analysis of the recorded events in the Antananarivo FIR during the past 3 years in order to draw conclusions or recommendations

AIR TRAFFIC MANAGEMENT COORDINATION MEETING FOR SOUTHERN FLIGHT INFORMATION REGION
Johannesburg, February 03rd to 05th  2015

2

# TREATMENT PROCEDURE OF SAFETY EVENTS IN ASECNA

Manual of treatment: MANSECU

- 1st step: At the center (10 working days)

- Notification from ATC or users (Centers, Pilotes, ICAO, ARMA,…)

- Instant analyse: first corrective or preventive measures

- the local multidisciplinary investigation commission Analyses the event and establishes recommendations and the corrective or preventive measures or actions

AIR TRAFFIC MANAGEMENT COORDINATION MEETING FOR SOUTHERN FLIGHT INFORMATION REGION
Johannesburg, February 03rd to 05th 2015

3

# TREATMENT PROCEDURE OF SAFETY EVENTS IN ASECNA

- The report is sent to Safety Action group (SAG) and to ASECNA Headquarter

- The SAG states conclusions on the implementation and appoints a responsible for the Corrective and preventive actions (CPA) follow up

AIR TRAFFIC MANAGEMENT COORDINATION MEETING FOR SOUTHERN FLIGHT INFORMATION REGION
Johannesburg, February 03rd to 05th 2015

4

# TREATMENT PROCEDURE OF SAFETY EVENTS IN ASECNA

- 2st step: At the ASECNA Headquarter

The multidisciplinary commission at the Headquarter in Dakar meets and gives out conclusions reinforcing what was issued by the center or even propose more CPA

AIR TRAFFIC MANAGEMENT COORDINATION MEETING FOR SOUTHERN FLIGHT INFORMATION REGION
Johannesburg, February 03rd to 05th  2015

5

# Air safety events in the Antananarivo's FIR from 2011 to 2014

| | 2011 | 2012 | 2013 | 2014 | TOTAL |
|---|---|---|---|---|---|
| **AIRPROX** | 0 | 0 | 1 | 0 | 1 |
| **Violation** | 1 | 0 | 1 | 0 | 2 |
| **Air traffic management issues** | 2 | 0 | 2 | 0 | 4 |
| **Coordination issues** | 3 | 3 | 23 | 16 | 45 |
| **Breakdown of communication air/ground** | 3 | 1 | 2 | 4 | 10 |
| **T-CAS** | 0 | 1 | 0 | 0 | 1 |
| **Diversion** | 17 | 19 | 30 | 35 | 101 |
| **QRF** | 8 | 18 | 18 | 5 | 49 |
| **Technical failure on board** | 0 | 0 | 1 | 3 | 4 |
| **Accident** | 1 | 1 | 0 | 1 | 3 |
| **TOTAL** | 35 | 43 | 78 | 64 | 220 |

# COORDINATION ISSUES

|  | 2011 | 2012 | 2013 | 2014 | **TOTAL** |
|---|---|---|---|---|---|
| Lack of coordination | 1 | 3 | 9 | 13 | 24 |
| Erroneous Coordination | 2 | 0 | 12 | 3 | 15 |
| TOTAL | 3 | 3 | 21 | 16 | 39 |

AIR TRAFFIC MANAGEMENT COORDINATION MEETING FOR SOUTHERN FLIGHT INFORMATION REGION
Johannesburg, February 03rd to 05th 2015

7

# COORDINATION ISSUES

## LIKELY REASONS FOR THE ABSENCE OR POOR COORDINATION

- Non-respect of working procedures (stripping, phraseology etc. );

- Non-respect of LoP ;

- Lack of Vigilance of the controller ;

- Lack of contact with the traffic to be coordinated ;

- Unavailability / quality of the means of communication ground/ground;

- ...

AIR TRAFFIC MANAGEMENT COORDINATION MEETING FOR SOUTHERN FLIGHT INFORMATION REGION
Johannesburg, February 03rd to 05th  2015

8

# FOLLOW UP

The meeting is invited to recommend:

- To Continue controller staff exchanges;

- To update procedures for the maintenance of the equipment;

- To encourage the exchange of events reports between centers;

AIR TRAFFIC MANAGEMENT COORDINATION MEETING FOR SOUTHERN FLIGHT INFORMATION REGION
Johannesburg, February 03rd to 05th 2015

9

# FOLLOW UP

The meeting is invited to recommend to:

- put in place in the center as a back-up the switched network and the INMARSAT (phone number to be published).

- put in place a reliable means of communication between centers ;

- strictly adhere to the LoP related to coordination;

AIR TRAFFIC MANAGEMENT COORDINATION MEETING FOR SOUTHERN FLIGHT INFORMATION REGION
Johannesburg, February 03rd to 05th  2015

10

# FOLLOW UP

The meeting is invited to recommend to:

- Include in the exchange letter all abnormal situations and adopt common management procedures;

- Take note of the above mentioned information and to agree on the need to update LoP.

AIR TRAFFIC MANAGEMENT COORDINATION MEETING FOR SOUTHERN FLIGHT INFORMATION REGION
Johannesburg, February 03rd to 05th  2015

11

# THANK YOU