

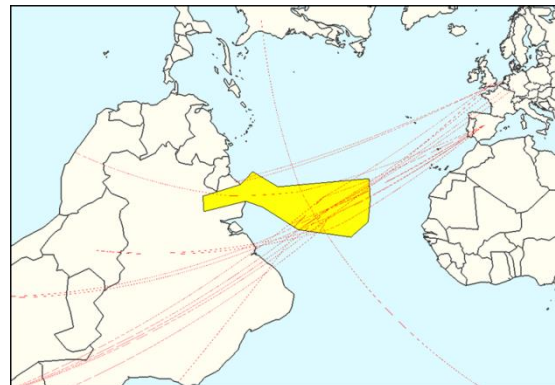


Agenda Item 3 Implementation of the Air Traffic Flow Management (ATFM)

Implementation of night routes from 03h00 Z to 07h00 Z

(Presented by French West Indies and French Guiana)

SUMMARY	
The objective of this paper is to present ATFM operations prepared for Cayenne ACC, to enable controllers to better monitor peak traffic hours	
ICAO Strategic Objectives:	<i>A - Safety</i> <i>B - Air navigation capacity and efficiency</i>



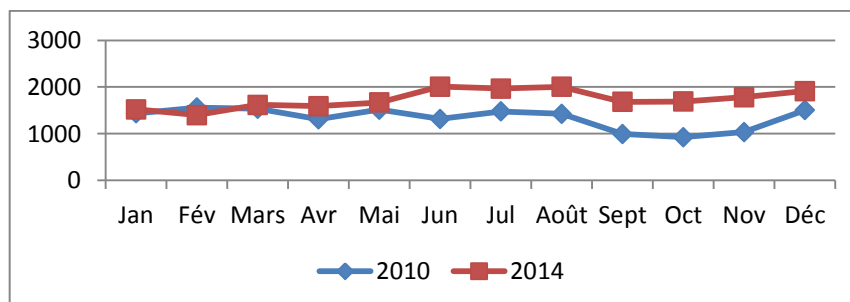
1. **Introduction**

1.1 This paper concerns the air traffic whose routing is expected to cross the oceanic airspace of the FIR Cayenne (SOOO), at night, east of 48W. It is mainly the traffic Europe to/from South America.

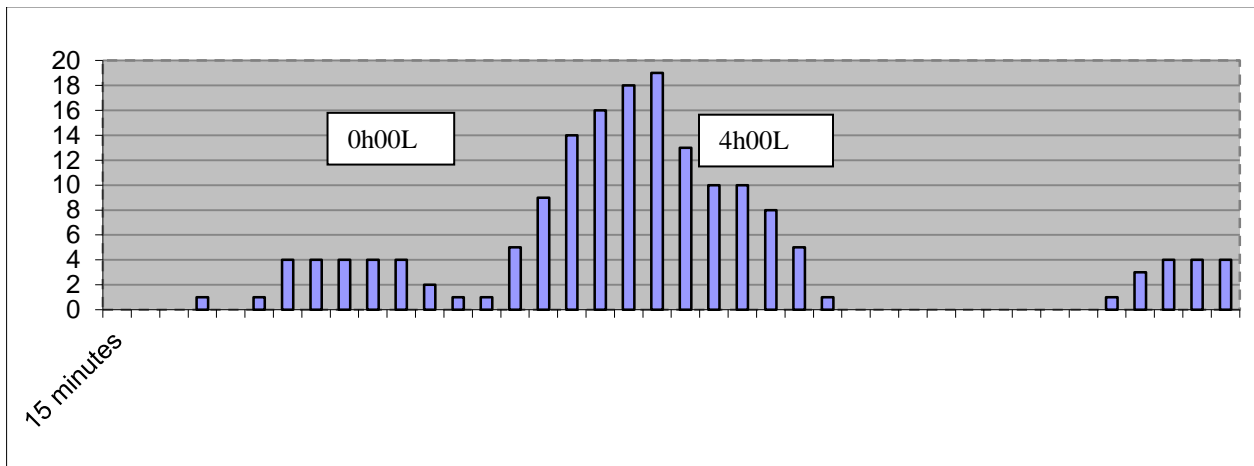
2. **The control center of Cayenne**

IFR traffic

17 122 movements in 2013, **20 541** movements in 2014



One Oceanic peak Traffic load at night
Number of flight per 15 mn



Cayenne Centre has one ACC position armed by 2 controllers.

3. Modernization of the control center of Cayenne

3.1 A modernization plan was launched to improve the long-term situation of the control center of Cayenne with, in particular, the installation of a new, more powerful system ATM ADS C CPDLC (electronic strip, AIDC).

3.2 The training of the controllers will begin at the beginning of the year 2016. It will be held during the year 2016. Besides this, in a context of slight rise of the traffic and in particular the peaks of traffic at night between 03:00 and 07:00 UTC, the DSN has investigated ATFMC measurements in order to allow the controllers to control the traffic better and to reinforce the security.

4. ATFM measurements

4.1 Due to the installation of measurements of regulation of traffic not being possible concerning Atlantic flights, the DSN has decided to work on the organization of the trajectories of aircraft cruising through Cayenne FIR

4.2 Implementation of a route structure has been examined to have aircrafts routes along designated tracks.

4.3 It is thus decided to implement - on an experimental basis - an obligatory network of night flights to cross the space of Cayenne east of 48 W between 03:00 and 07:00 UTC.

4.4 This implementation will aim to:

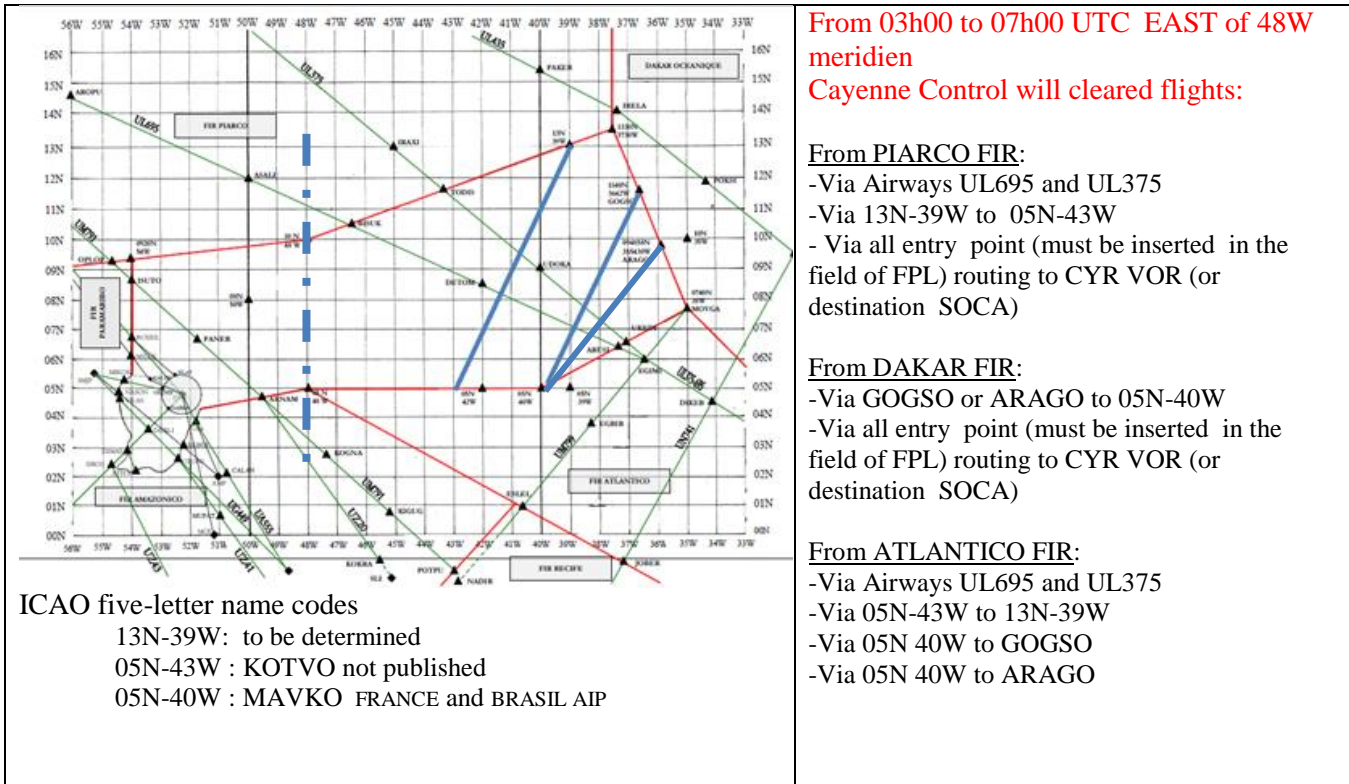
- Decrease the points of conflicts;
- Facilitate the climb of traffic cruising through the FIR;
- **Minimize the workload due to intercentre co-ordinations.**

4.5 In complement, Cayenne is working on flights prevision (a tool based on flights plans) in order to be able to anticipate every evening on peak traffic period (traffic can be very different from one night to another).

5. International co-ordinations

5.1 This implementation was coordinated with the Air Navigation Services Providers concerned and received a favorable opinion during the SAT/20 meeting of June 2015.

Description of the network



Most of the traffic is already closed to these tracks.
This network will be optimized in the future

6. Procedure for the airlines

6.1 AIC, SUP AIP and NOTAM will be diffused and will specify the methods of filing of FPLs.
Objective date: **4th February 2016**

7. Assessment

7.1 A first experience feedback will be carried out 6 months after the implementation of this experimentation.

8. Conclusion

8.1 The meeting is invited to:

- Take into consideration implementation of night routes in Cayenne FIR, in order to improve safety and capacity.