

**INTERNATIONAL CIVIL AVIATION ORGANIZATION**

**Meeting/workshop of Air Traffic Management (ATM) Authorities and Planners**  
(Lima, Peru, 18 to 21 July 2000)

Agenda Item 4: **Review of the temporal RNAV routes implementation programme**

(Presented by the Secretariat)

**Summary**

The implementation programme is presented in this working paper, as well as a schedule for the tests and demonstrations and a model of AIC, so that the meeting, in the light of the agreements reached, may introduce the changes deemed pertinent.

1. **Introduction**

1.1 As a consequence of the decision to carry out, a test and demonstrations programme in RNAV routes Santiago-Lima/Miami and Sao Paulo-Río de Janeiro/Miami, an implementation programme was prepared and submitted to the civil aviation administrations through letter LT 1/3.19.6 SA0255 dated 6 April 2000, which would permit to have a clear idea of the steps to be followed to achieve a successful test programme in the mentioned RNAV routes.

2. **Analysis**

2.1 In the implementation programme for the tests and demonstrations (see **Appendix A**) dates and responsible for each of the tasks which have been identified, are established, as well as the periods involving these tasks.

2.2 So far, almost all the assigned tasks have been complied, remaining some of them pending, that, in view of its complexity, have been included in the working papers and will be revised during this meeting. These tasks specifically refer to training, flight plan requirements, and the development of ATC procedures. As regards the production of aeronautical charts, it is expected that IATA may provide information regarding the coordinations carried out.

2.3 Likewise, and taking into account the aforementioned, the Secretariat has prepared a schedule for the implementation of tests and demonstrations of RNAV routes (see **Appendix B**) where the activities which should be carried out by the States, users, IATA and ICAO, are described and the dates in which such activities should be finalized are indicated, and finally, where necessary, additional information is inserted. The dates included in this schedule are of a tentative nature and serve as reference only. In the light of the agreements reached during the meeting, the implementation programme will have to be revised as well as the schedule, and the pertinent modifications, will be made.

### 3. **Suggested action**

3.1 The meeting is invited to review the implementation programme contained in Appendix A to this working paper, and the schedule of trials and demonstrations (Appendix B), in the light of the agreements reached during the course of the meeting, and if such were the case, introduce the amendments deemed pertinent.

**Appendix A**

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**Appendix B****SCHEDULE FOR TESTS AND DEMONSTRATIONS IN THE RNAV ROUTES  
SANTIAGO-LIMA/MIAMI (UT 780)  
AND  
SAO PAULO-RÍO DE JANEIRO/MIAMI (UT795)****EXPLANATION OF THE TABLE**

<b>Column 1</b>	The activities to be carried out by States/Organizations involved are described.
<b>Column 2</b>	The dates in which the activities described in column 1 should be finalized, are indicated.
<b>Column 3</b>	Additional information is inserted

Activities under the responsibility of the States		
ACTIVITY	FINALIZATION DATE	REMARKS
-1-	-2-	-3-
Agreement for implementation of routes	21/7/00	Routes paths, reporting points, agreements, etc defined in meeting/workshop of ATM authorities and planners (18-21/7/00)
Bilateral agreements between providers of services	21/7/00	
Bilateral Agreements between users and service providers.	21/7/00	
AIRAC publication	10/08/00	
Implementation date of routes	<b>5/10/00</b>	
Finalization of tests and demonstrations	<b>4/1/01 (the date should be adequate to the decisions at the meeting)</b>	In principle, the tests and demonstrations will be carried out for a period of 91 days.
Training of controllers/preparation of procedures, if necessary.	20/9/00	The greater information to be issued between controllers will help to achieve success in the tests and demonstrations.
Inclusion of agreements and procedures to national operational manuals	20/9/00	
Collection of data	(include finalization date of tests)	
Previous assessment/continuation of tests and demonstrations	(15 days in advance to finalization date of tests)	Through electronic means, the continuation of tests and demonstrations will be coordinated.
Data processing	(10 days after the finalization date of tests)	
Evaluation meeting	13 to 15/2/01 (this date should be coordinated)	The tests and demonstrations will be evaluated, with a view to a definite implementation of the routes.

Activities under responsibility of users		
ACTIVITY	FINALIZATION DATE	REMARKS
-1-	-2-	-3-
Agreement for implementation of routes	21/07/00	Routes paths, reporting points, agreements, etc, defined in the meeting/workshop of ATM authorities and planners (18-21/7/00)
Bilateral agreements between users and services providers	21/7/00	
Effective date of routes implementation	<b>5/10/00</b>	
Finalization of tests and demonstrations.	<b>4/1/01 (the date should be adequate to the decisions of the meeting)</b>	In principle, the tests and demonstrations will be carried out by a period of 91 days.
Training of crews/elaboration of procedures, if necessary.	20/9/00	The greater information to be disseminated among the crews, will help to the achievement of success in tests and demonstrations.
Collection of data	(include finalization date of tests)	
Previous Assessment/continuation of tests and demonstrations.	(15 days in advance to finalization date of tests)	Through electronic means the continuation of tests and demonstrations will be coordinated.
Data processing	(10 days after finalization date of tests)	According to the information and success achieved during tests, the routes will be implemented in a definite manner.
Evaluation meeting	13 al 15/2/01 (Should be coordinated in this date)	Tests and demonstrations will be assessed with a view to a definite implementation of the routes.

<b>Activities under responsibility of IATA</b>		
ACTIVITY	FINALIZATION DATE	REMARKS
-1-	-2-	-3-
Agreement for implementation of routes	21/07/00	Routes paths, reporting points, agreements, etc defined in meeting/workshop of ATM authorities and planners (18-21/7/00)
Bilateral agreements between users and services providers	21/7/00	
Reproduction of new charts with routes	20/9/00	Agreements with Jeppesen should be achieved.
Effective date of implementation of routes	<b>5/10/00</b>	
Finalization of tests and demonstrations	<b>4/1/01 (The date should adequate to decision in the meeting)</b>	In principle, the tests and demonstrations will be carried out by a period of 91 days.
Dissemination between lines regarding tests and demonstrations/Selection of airlines in capacity of flying routes concerned.	20/9/00	The greater amount of information disseminated among users will help in the achievement of success in tests and demonstrations.
Collection of data	(include finalization date of tests)	
Previous assessment/continuation of tests and demonstrations	(15 days in advance to finalization date to tests)	Through electronic means the continuation of tests and demonstrations will be coordinated.
Data processing	(10 days after finalization date of tests)	
Assessment meeting	13 to 15/2/01 (this date should be coordinated)	The tests and demonstrations will be assessed with a view to the definite implementation of the routes.

Activities under responsibility of ICAO		
ACTIVITY	FINALIZATION DATE	REMARKS
-1-	-2-	-3-
Agreement for implementaton of routes	21/07/00	Routes paths, reporting points, agreements, etc, defined in the meeting/workshop of ATM authorities and planners(18-21/7/00)
Coordinate bilateral agreements between providers of services	21/7/00	
Coordinate bilateral agreements between users and providers of services.	21/7/00	
Verify with States the programmes for publication of AIRAC	5/08/00	
Effective date for implementation of routes.	<b>5/10/00</b>	
Finalization of tests and demonstrations	<b>4/1/01 (The date should adequate to the decisions in the meeting)</b>	In principle the tests and demonstrations will be carried out by a period of 91 days.
Coordinate the previous evaluation/continuation of tests and demonstrations for 20/11/00	4/1/01(finalization date of tests)	Through electronic means the tests and demonstrations will be coordinated.
Coordinate data processing	(10 days after finalization date of tests)	
Coordinate evaluation meeting from 13 to 15/2/01	10/11/00 (this date should be coordinated)	The tests and demonstrations will be assessed with a view to the definite implementation of the routes.