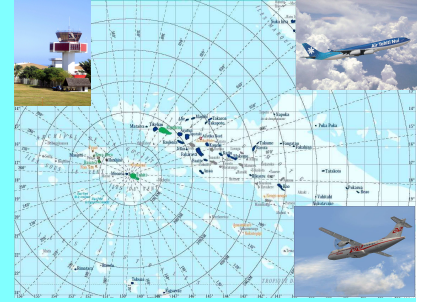




PBN Program

French Polynesia



Progress Report n°2

October 2014
SNA/PF-DCA

The SNA/PF published a PBN implementation plan for French Polynesia in September 2012, which was updated in a progress report n°1 in October 2013.

In accordance with the line of reasoning in ICAO Doc 9613 on the publication of PBN implementation programs, and commitments made to the PBN task force for the APAC region, this progress report n°2 reviews actions undertaken and the results achieved from tasks completed during the 2013-2014 period.

It should be noted that this plan is in keeping with the French PBN plan in its general policy, concerning overseas territories in particular.

Evolution of traffic 2013/2014

- * The distribution of traffic between domestic and international flights (transits and local traffic from Tahiti Faa'a) remains consistent. More than 8 in 10 flights are within the archipelagos of French Polynesia. This is a reminder of the importance of implementing RNAV GNSS procedures in order to increase the safety and regularity of inter-island services.
- * There has been a 5% increase in international flights over this period. This upturn for Tahiti as a holiday destination and the improvement of services provided must therefore also be taken into account.
- * The modernisation of aircraft fleet using FIR Tahiti as well as the rest of the APAC region requires the SNA/PF to ensure on going and concerted attention to the development of published procedures.

TERRAIN	Identification de la procédure	CATEGORIE	TERRAIN	Identification de la procédure	CATEGORIE
BORA BORA	RNAV GNSS RWY 11	CAT A, B	HUAHINE	RNAV GNSS RWY 07	CAT A, B
	RNAV GNSS RWY 11	CAT C		RNAV GNSS RWY 25	CAT A, B
	RNAV GNSS RWY 29	CAT A, B, C		SID RNAV	CAT A, B
	SID RNAV	CAT A, B, C		STAR RNAV	CAT A, B
	STAR RNAV	CAT A, B, C	RAIATEA	RNAV GNSS RWY 07	CAT A, B
HAO	RNAV GNSS RWY 12	CAT A, B, C, D		RNAV GNSS RWY 25	CAT A, B
	RNAV GNSS RWY 30	CAT A, B, C, D		SID RNAV	CAT A, B
HIVA OA	RNAV GNSS RWY 02	CAT A, B	STAR RNAV	CAT A, B	
	RNAV GNSS RWY 20	CAT A, B	RANGIROA	RNAV GNSS RWY 27	CAT A, B, C
TUBUAI	RNAV GNSS RWY 03	CAT A, B	TAHITI FAAA	RNAV GNSS RWY 22	CAT A, B, C, D
	RNAV GNSS RWY 21	CAT A, B			

Procédures publiées au 25/09/2014

Ressources, territoires et habitats
Énergie et climat
Prévention des risques
Développement durable
Infrastructures, transports et mer



Présent pour l'avenir

Tasks undertaken in 2013/2014

On 25th September 2014, 21 RNAV/GNSS approach procedures were published in French Polynesia.

- The French PBN target for 2016 will therefore be achieved: once MOOREA is covered, all controlled aerodromes will be capable of providing RNAV/GNSS IFR approach procedures.
- The publication of RNAV/ GNSS procedures for RWY 03 and RWY 21 in TUBUAL was an objective generated by a demand from local users and operators for a RNAV/GNSS procedure for every archipelago.

Future implementation studies for RNAV/GNSS procedures in FIR TAHITI fields will take into account the following :

- * Demands expressed by stakeholders : SNA/PF, ADT, DAC/PF and all air operators.
- * Available data identifying recent obstacles.
- * Qualitative safety objectives (the improvement of approach conditions and operational minima), reduction of flight time (thus fuel consumption) and a reduction of CO2 emissions.

1. Results from 2013

- * Air Tahiti, the main air operator for domestic flights, makes full use of the RNAV/GNSS network in the Windward Islands: the most direct routes are encouraged.
- * RNAV/GNSS procedures for RWY 20 and RWY 02 in HIVA OA are used for routine operations by Air Tahiti. As this field is difficult to access it also has a secure service.
- * RNAV/GNSS procedures for RWY 12 and RWY 30 in HAO have allowed this important platform in the TUAMOTU islands to operate during the replacement of the NDB and the resulting absence of traditional procedures.

N.B. : Regular contact with PBN plan implementation stakeholders in French Polynesia has contributed to the validation of chosen options and has provided perspective on deployments in progress.

2. Development of PBN tools in 2013/2014

As in 2013, depending on means and available data, the SNA/PF has included the development of the PBN plan in its general action plan :

- * Publication of RNAV/GNSS procedures for the aerodromes of FAKARAVA, RANGIROA RWY 09 and NUKU HIVA.
- * Improvements to and simplification of RNAV/GNSS procedures for the Windward Islands : POGO(s) RNAV/ GNSS for short routes, vertical arrivals to join IAF RNAV/ GNSS procedures published beforehand.
- * Consideration of operators' wishes concerning RNP APP AR and BARO VNAV procedures.
- * Publication of a BARO VNAV RWY 04 procedure at TAHITI FAA'A.
- * Redesigned mapping related to RNAV/ GNSS procedures on Eurocat-X HMI to facilitate pilot/controller dialogue.

Road map 2014/2015

This road map, which is related to the initial 2012 PBN program, is amended according to technical developments and projects to equip the commercial fleet operating in French Polynesia:

- * Publication of RNAV/GNSS procedures for the aerodromes of RURUTU, TOTELEGIE, and MAUPITI.
- * Implementation of a harmonised systematic assessment of the CO2 impact of air traffic services projects.
- * In addition to the PBN implementation plan : the launch of phase I of ADS-B beacon deployment and related remote VHF antennas.