

FIJI AERONAUTICAL INFORMATION CIRCULAR



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CATALOGUE OF APAC FLIGHT INSPECTION AND FLIGHT VALIDATION SERVICE PROVIDERS

1. Introduction

- 1.1 The purpose of this AIC is to disseminate information on Flight Inspection and Flight Validation Service Providers available in the Asia Pacific region as published by ICAO. This is set forth in section 3 of this AIC.
- 1.2 Since Fiji does not have a national Flight Inspection Service Provider (FISP) this information can be useful when seeking flight inspection/validation services with the APAC Region or beyond.
- 1.3 These Flight Inspection Service Providers have the capacity available to conduct flight tests on radio navigation aids and Flight Validations for instrument flight procedures designed based on Performance Based Navigation (PBN) concept.
- 1.4 The published 11th edition of Catalogue of Asia and Pacific Flight Inspection and Flight Validation Service Providers can be accessed by the link <https://www.icao.int/APAC/Pages/eDocs.aspx> under CNS section. ICAO takes no responsibilities on the approval/accreditation of any Service Provider's legal status or adopted practices by respective States or any other entities.

2. Definition:

ANSP	Air Navigation Service Providers
DME	Distance Measuring Equipment
GBAS	Ground Based Augmentation System
GNSS	Global Navigation Satellite System
GPS	Global Positioning System
ILS	Instrument Landing System
LNAV/VNAV	Lateral Navigation/Vertical Navigation
LOC	Localiser
LPV	Localizer Performance with Vertical Guidance
NDB	Non-Directional Beacon
RNP APCH	Required Navigation Performance Approach
SID	Standard Instrument Departure
STAR	Standard Instrument Arrival
VASIS	Visual Approach Slope Indicator System
VOR	VHF

3. CAPABILITIES of FLIGHT INSPECTION/FLIGHT VALIDATION SERVICE PROVIDER

	COUNTRY/ NAME of Service Provider	FLIGHT INSPECTION ADDRESS	FLIGHT VALIDATION ADDRESS	Flight Testing Capability	Flight Validation capability for IFP including PBN specs.	
					Procedure	Type of Flight Validation System Used
1.	AUSTRALIA AeroPearly Pty Ltd	Address: 3 Melaleuca St, Brisbane Airport, QLD, 4008 Tel: +61 7 3860 0600 Fax: +61 7 3860 0664 E-mail: admin@aeropearl.com.a	Civil Aviation Safety Authority E-mail: CNS.atm@ca sa.gov.au	VOR DME ILS NDB/LOC PAPI RF Interference GNSS Interference GBAS SSR/ADSB	RNP APCH	Aircraft
					RNP APCH (LNAV/VNAV)	Aircraft + Level D Simulator
					GBAS CAT I	Aircraft
					RNAV/ RNP SID	Aircraft+ Level D Simulator
					RNAV/RNP STAR	Aircraft+ Level D Simulator
					ILS/LOC	Aircraft
					VOR/ NDB	Aircraft
2.	CHINA Flight Inspection Center of CAAC	Address: No 18 North Huoyun Road, Beijing Capital International Airport, Beijing, China.100621 Tel: +861064543298 Fax: +861064543293 E-mail: cuij@chinacfi.net	VOR DME ILS NDB/LOC PAPI RF interference GNSS interference (SNR for each satellite is available)	RNP APCH (LNAV)	Automatic	
				RNP APCH (LNAV/ VNAV)	Automatic	
				RNP APCH (LPV)	Automatic	
				GBAS CATI	Automatic	
				RNAV/ RNP SID	Automatic	
				RNAV /RNP STAR	Automatic	
3.	FRANCE	Address: 1, Avenue du Dr. Maurice Grynfogel - CS 53584 F – 31 035 TOULOUSE CEDEX 1 - FRANCE		VOR DME ILS PAPI	RNP APCH (LNAV)	Automatic, procedure can be

	FRANCE, DGAC/DSNA/ DTI/CEV	Contact: Mr. Joel Faucon Tel: +33 (0) 562 145 143 Fax: +33 (0) 562 145 401 E-mail: joel.faucon@aviation-civile.gouv.fr	RF Interference GNSS Interference		precoded in Garmin GTN
				RNP APCH (LNAV/ VNAV)	Automatic, procedure can be precoded in Garmin GTN
				RNP APCH (LPV)	Automatic, procedure can be precoded in Garmin GTN
				RNAV/ RNP SID	Automatic, procedure can be precoded in Garmin GTN
				RNAV /RNP STAR	Automatic, procedure can be precoded in Garmin GTN
4.	INDIA INDIA, Airports Authority of India	Address: Executive Director, Flight Inspection Unit Airport Authority of India, Safdarjung Airport, New Delhi 110003 Tel: +91 (11) 24611077 Fax: +91 (11) 24697211 E-mail: edfiu@aai.aero Or Address: General Manager, Business Development C-Block, Rajiv Gandhi Bhawan, New Delhi 110003 Tel: +91 (11) 24629347 Fax: +91 (11) 24610841 E-mail: bd@aai.aero	VOR DME ILS NDB/LOC PAPI RF Interference GNSS Interference	RNP APCH (LNAV)	Automatic
				RNP APCH (LNAV/ VNAV)	Automatic
				RNP APCH (LPV)	Automatic
				GBAS CATI	Automatic
				RNAV/ RNP SID	Automatic
				RNAV /RNP STAR	Automatic
5.	INDONESIA Indonesian Flight Inspection Service Provider (BALAI)	Address: Jln. Raya STPI – Curug, Legok, Tangerang, Banten, Indonesia, 15820 Tel: +62-21 5473086, 5472943, 5472942	VOR DME ILS NDB/LOC PAPI RF Interference	RNP APCH (LNAV)	Automatic
				RNP APCH (LPV)	Automatic
					Automatic

	BESAR KALIBRASI FASILITAS PENERBANG AN)	Fax: +62-21 5473086 E-mail: info@flightcalibration.co.id bbkfp-ubud@dephub.go.id		GBAS CATI	
				RNAV/ RNP SID	Automatic
				RNAV /RNP STAR	Automatic
6.	JAPAN Ministry of Land, Infrastructure, Transport, and Tourism Japan Civil Aviation Bureau	Address: 2-1-3 Kasumigaseki Chiyoda-ku, japan, zip code 100-8918 Tel: +81(3)5253 8111 Fax: +81(3)5253 1664 E-mail	VOR DME ILS NDB PAPI	RNP APCH (LNAV)	Automatic
				RNP APCH (LNAV/ VNAV)	Automatic
				RNP APCH (LPV)	Automatic
				GBAS CAT I	Automatic
				RNAV/ RNP SID	Automatic
				RNAV/ RNP STAR	Automatic
7.	MALAYSIA Flight Calibration Division, Civil Aviation Authority of Malaysia	Flight Calibration Division, Civil Aviation Authority of Malaysia, CAAM Hangar, LTSAAS, 47200 Subang, Selangor, MALAYSIA. Telephone: 603-7831 3005 Fax: 603-7846 9510 Email: fcu@caam.gov.my	VOR DME ILS NDB/LOC PAPI	Not available	Not available
8.	MONGOLIA Flight Inspection and Procedure Design Services of National Civil Aviation, Center of Mongolia	Address: Mongolia, Ulaanbaatar- 34 Buyant-Ukhaa 17120 Tel: +976-71-285080; +976-71- 285506 Fax: +976-71285506 E-mail: fipds@mcaa.gov.mn	VOR DME ILS NDB/LOC PAPI RF Interference GNSS Interference	RNP APCH (LNAV)	Automatic
				RNP APCH (LNAV/ VNAV)	Automatic
				RNAV/ RNP SID	Automatic
				RNAV /RNP STAR	Automatic
9.	MYANMAAR	Department of Civil Aviation DCA H/Q Building,	VOR DME ILS	Not available	Not available

	Department of Civil Aviation, Myanmar Mr. Yan Aung Oo Acting Director (Flight Standards Division)	Yangon Int'l Airport Mingaladon 11021, Yangon, Myanmar Tel: +95 (017) 533004 Fax: +95 (017) 533016 Email: dfsd@dca.gov.mm	NDB/LOC PAPI		
10	NEW ZEALAND AIRWAYS CORPORATION OF NEW ZEALAND LTD	Address: Main Airport Hanger, 60 Toru Road, Paraparaumu, Wellington Tel: +64 4 460 0703 Fax: +64 4 471 0395 E-mail: Philip.pinkney@airways.co.nz	VOR DME ILS NDB/LOC PAPI RF Interference GNSS interference	RNP APCH (LNAV)	Semi-Automatic
				RNP APCH (LNAV/VNAV)	Semi-Automatic
				RNP APCH (LPV)	Semi-Automatic
				RNAV/ RNP SID	Semi-Automatic
				RNAV /RNP STAR	Semi-Automatic
	NEW ZEALAND Radiola Limited	Address: L1, Unit 2, 15 Marina View, Paremata 5026 Tel: +64 (0)21 270 9780 E-mail: richardt@radiola.co.nz	VOR DME ILS NDB/LOC PAPI RF Interference	Not available	Not available
11	ISLAMIC REPUBLIC OF PAKISTAN Flight Inspection Unit of Pakistan CAA	Headquarters Civil Aviation Authority Jinnah Int'l Airport, Terminal-1, Karachi, Pakistan Tele: +9221 99242762 Fax: +9921 99242695 E-mail: riaz.chishti@caapakistan.com.pk	VOR DME ILS NDB/LOC PAPI RF Interference GNSS interference	RNP APCH (LNAV)	Aero-Data Automatic Flight Inspection System
				RNP APCH (LNAV/VNAV)	Aero-Data Automatic Flight Inspection System
				GBAS CATI	Aero-Data Automatic Flight Inspection System
				RNAV/ RNP SID	Aero-Data Automatic Flight Inspection System
				RNAV /RNP STAR	Aero-Data Automatic Flight Inspection System

12.	PHILLIPINES Flight Inspection & Calibration Group, Civil Aviation Authority of the Philippines	Address: FICG. CAAP Hangar, Andrews Avenue, Pasay City, Metro Manila Tel: 0632 994 2334 Fax: 0632 851 3914 E-mail: ficg@caap.gov.ph	VOR DME ILS NDB/LOC PAPI RF Interference GNSS interference	RNP APCH (LNAV)	Manual
				RNP APCH (LNAV/VNAV)	Manual
				RNP APCH (LPV)	Manual
				RNAV/ RNP SID	Manual
				RNAV /RNP STAR	Manual
13	REPUBLIC OF KOREA Flight Inspection Center, Ministry of Land, Infrastructure and Transport	Address: Gimpo International Airport, 84 Haneul-Gil, Gangseo-Gu, Seoul 07505 Republic of Korea Tel: +82 (2) 2660 2162, 2167 Fax: +82(2) 2662 0881 E-mail: airjeong@korea.kr or fic99@korea.kr	VOR DME ILS NDB/LOC PAPI RF Interference GNSS interference	RNP APCH (LNAV)	Automatic
				RNP APCH (LNAV/VNAV)	Automatic
				RNP APCH (LPV)	Automatic
				GBAS CATI	Automatic
				RNAV/ RNP SID	Automatic
				RNAV /RNP STAR	Automatic
14	THAILAND Aeronautical Radio of Thailand Ltd.	Address: 102 Ngamduplee Rama IV Tung mahamek Bangkok 10120, Thailand Tel: (662) 2878571, (668) 1734 9242 Fax: (662) 285-9565 E-mail: bs@aerothai.co.th tirachai.su@aerothai.co.th	VOR DME ILS NDB/LOC PAPI RF Interference	RNP APCH (LNAV)	Automatic
				RNP APCH (LNAV/VNAV)	Automatic
				GBAS CATI	Automatic
				RNAV/ RNP SID	Automatic
				RNAV /RNP STAR	Automatic
15	UNITED STATES OF AMERICA Federal Aviation Administration, AJF-1	Address: 6500 S. MacArthur Blvd. Oklahoma City, OK 73169 Tel: 405-954-9780 Fax: 888-286-2739 E-mail: Bradley.W.Elliott@faa.gov	VOR DME ILS NDB PAPI GNSS interference	RNP APCH (LNAV)	Automatic/ Manual
				RNP APCH (LNAV/VNAV)	Automatic/ Manual
				RNP APCH (LPV)	Automatic
				GBAS CATI	Automatic
				RNAV/ RNP SID	Automatic/ Manual
				RNAV /RNP STAR	Automatic/ Manual
		Address: P.O. Box 3596 Englewood, CO 80155	NIL	RNP APCH (LNAV)	Manual

UNITED STATES OF AMERICA Flight Tech Engineering, LLC	Tel:(1) 720-465-6170 E-mail: IFP@flight-tech.aero			
			RNP APCH (LNAV/VNAV)	Manual
			RNP APCH (LPV)	Manual
			RNAV/ RNP SID	Manual
			RNAV /RNP STAR	Manual
UNITED STATES OF AMERICA HUGHES Aerospace Corporation	1790 Hughes Landing Blvd, Suite 400, The Woodlands Texas 77380 USA Tel: +1.281.655.3330 Fax: +1.281.360.1761 E-mail: info@hughesaerospace.com	PAPI	RNP APCH (LNAV)	Automatic
			RNP APCH (LNAV/NAV)	Automatic
			RNP APCH (LPV)	Automatic
			RNAV/ RNP SID	Automatic
			RNAV /RNP STAR	Automatic
			COPTER RNP APCH	Automatic