



# **Implementation Status of Regional Transition Plan - RNP APCH Chart Identification from RNAV to RNP 6 July 2021**

**The Eighth Meeting of PBN Implementation Coordination Group  
(PBNICG/8)**

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# RNP APCH Chart Identification Change

## ❖ Background

- **Doc 8168, PANS OPS amendment (effective on 13 Nov 2014)**
  - **Include RNP APCH chart identification change**
  - **Introduce RNP APCH requirement box**
  - **needs to be changed by 30 Nov 2022**



# What are changes

## ❖ Chart identification changes

Navigation specification	Existing chart identification	New chart identification
RNP APCH	RNAV (GNSS) RWY 23	RNP RWY 23
RNP AR APCH	RNAV (RNP) RWY 23	RNP RWY 23 (AR)

## ❖ PBN Approaches – parenthetical suffices

Condition	Suffix	Examples
Procedure has only an LPV line of minima	LPV only	RNP RWY 23 (LPV only)
Procedure has only an LNAV/VNAV line of minima	LNAV/VNAV only	RNP RWY 23 (LNAV/VNAV only)
Procedure has both LPV and LNAV/VNAV lines of minima but no LNAV minima	LPV, LNAV/VNAV only	RNP RWY 23 (LPV, LNAV/VNAV only)
Procedure has only an LP line of minima	LP only	RNP RWY 23 (LP only)



# What is changes

## ❖ Examples of PBN requirement box

Navigation specification	Examples of additional requirements in PBN requirements box
RNP APCH	RF required
RNP AR APCH	RNP <0.3 Missed approach RNP <1
Advanced RNP	RNP <1 in initial and intermediate segment
RNP 0.3	RF required



# What are changes

## ❖ Chart examples with PBN requirement box

INSTRUMENT APPROACH CHART – ICAO	SBAS Ch 40123 W27A	AERODROME ELEV 30 m HEIGHTS RELATED TO THR RWY 27L - ELEV 20 m	APP 119.1 TWR 118.1	DONLON/INTL (EADD) RNP RWY 27L
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RNP APCH

← Chart identification  
← PBN requirements box

INSTRUMENT APPROACH CHART – ICAO	SBAS Ch 40123 W27A	AERODROME ELEV 30 m HEIGHTS RELATED TO THR RWY 27L - ELEV 20 m	APP 119.1 TWR 118.1	DONLON/INTL (EADD) RNP Z RWY 27L (LPV ONLY)
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RNP APCH

← (LPV only)

INSTRUMENT APPROACH CHART – ICAO	SBAS Ch 40123 W27A	AERODROME ELEV 30 m HEIGHTS RELATED TO THR RWY 27L - ELEV 20 m	APP 119.1 TWR 118.1	DONLON/INTL (EADD) RNP Y RWY 27L (LNAV/VNAV ONLY)
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RNP APCH

← (LNAV/VNAV only)

INSTRUMENT APPROACH CHART – ICAO	SBAS Ch 40123 W27A	AERODROME ELEV 30 m HEIGHTS RELATED TO THR RWY 27L - ELEV 20 m	APP 119.1 TWR 118.1	DONLON/INTL (EADD) RNP X RWY 27L (AR)
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RNP AR  
RF required

← (AR)



## APANPIRG/30 Conclusions/Decisions – Action Plan

Conclusion/ Decision No --- Strategic Objective*	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Target Date	Status [As of 4 December 2020]	Action by ANC [AN-WP/9399 dated 6 March 2020]
C 30/14  A & B	Asia/Pacific Regional Transition Plan for RNP APCH Chart Identification from RNAV to RNP	<p>Considering ICAO provided a guidance and template on transition planning for RNP approach chart identification,</p> <p>That,</p> <p>a) The Asia/Pacific Regional Transition Plan for RNP APCH Chart Identification from RNAV to RNP in <b>Appendix B</b> to the Report on Agenda Item 3.4 be adopted as a regional plan for RNP APCH chart identification transition;</p> <p>b) ICAO Regional Office coordinate with ICAO PBN Programme Office for the inclusion of the plan in the Global Dashboard for the progress monitoring;</p> <p>c) ICAO PBN Program Office to confirm that a global contingency plan has been developed and coordinated with all Regional Offices and with the major data houses;</p> <p>d) ICAO PBN Programme Office to provide an updated version of the Asia/Pacific Regional Transition Plan for RNP APCH Chart Identification from RNAV to RNP to ICAO Regional Office;</p> <p>e) ICAO Regional Office to publish the plan on the ICAO Regional Office website; and</p> <p>f) States develop their transition plan and implement the chart identification transition according to their designated slots.</p>	<p>ICAO APAC RO</p> <p>APAC States and Administrations</p>	<p>State Letter</p> <p>Action in accordance with the Conclusion</p>	6 December 2019	<p>Ref.: T 8/4.14– API 25/19 (CNS) 13 November 2019</p> <p><b>IN PROGRESS</b></p>	



Asia/Pacific Regional Transition Plan for RNP APCH Chart Identification from RNAV to RNP was adopted by APANPIRG/30 vide Conclusion APANPIRG/30/14 (CNS SG/23/8-PBNICG/6/1).

The plan is available at the following link on ICAO APAC webpage:

<https://www.icao.int/APAC/Documents/edocs/APX.%20B%20-%20Regional%20Transition%20Plan%20for%20RNP%20Chart%20Identification.pdf>



RNP APCH Transition Plan-APAC- Status as on 6 July 2021						
State	Project Team Manager or designated focal point	Current number of RNAV Charts	State response (AP051-18) Published	Planned	total	Target date of Completion of Transition
Afghanistan		6			0	
Australia	Jacqueline Vials Jacqueline.Vials@infrastructure.gov.au	639	653		653	To be published in 10 groups, 1st group published to be effective from Sept 2021 and the entire process to be completed by 2023.
Bangladesh	Sabera Rahman mitasr@gmail.com	1	1		1	Completed
Bhutan		3	0	0	0	
Brunei Darussalam		2			0	
Cambodia		5			0	
China	Mr. Wang Bihe, bh_wang@caac.gov.cn	10	317		317	Transition period: 11 Oct 2018 - 31 Dec 2020; 188 Airports completed, rest by Nov 2022. Published PBN approach procedures are in domestic AIP and will not affect regional transition.
Hong Kong, China	Ms. Jenny Lee jyylee@cad.gov.hk		8	0	8	Completed
Macao, China	Mr. Bryan, K.H. Chiu bryanchiu@aacm.gov.mo		4	1	5	
Cook Islands		15			0	
Democratic Peoples Republic of Korea	Mr. An Kyong Hwa gaca@silibank.com	3			0	
Fiji	ILAITIA TABAKAUCORO ilaitia.tabakaucoro@caaf.org.fj	8	8	5	13	
India	Mr. A.K. Meena akmeena@aai.aero	3	4		4	Completed & all new charts are published as RNP

<b>Indonesia</b>	Mega Herdiyansya m3g4_666@yahoo.com	76			0	62 charts out of 76 completed, rest 5 by 2021 and 9 by Nov 2022.
<b>Japan</b>	Mr. Makito Oohashi oohashi-m07ys@mlit.go.jp	127	93	0	93	
<b>Kiribati</b>		2			0	
<b>Lao Peoples' Democratic Republic</b>	Sohnsacksit KHAMKEO saykhamkeo@gmail.com	5			0	
<b>Malaysia</b>	Mr. Nordian Ibrahim nordian@dca.gov.my	50			50	To start in 4th Qtr 2021 and to complete by 4th Qtr 2022
<b>Maldives</b>	Mr. Ibrahim Hameed i.hameed@macl.aero		16	0	16	Completed
<b>Marshall Islands</b>		6			0	
<b>Micronesia</b>		10			0	
<b>Mongolia</b>	Ms. Zolzaya Yulen zolzaya@mcaa.gov	3			0	
<b>Myanmar</b>	Mr. Soe Paing ats@dca.gov.mm Soepng1@gmail.com	1	0	0	0	
<b>Nauru</b>					0	
<b>Nepal</b>	Mr. Mahesh Kumar Basnet atsdr@caanepal.org.np; cnsatm@mos.com.np	4	4	0	4	Completed
<b>New Zealand</b>	Ray Harvey ray.harvey@caa.govt.nz	148	126	10	136	2023
<b>Pakistan</b>	Mr. Muhammad Aslam Awan Aslam.Awan@caapakistan.co.pk	43	43	1	44	Completed
<b>Palau</b>		2			0	
<b>Papua New Guinea</b>		2			0	

<b>Philippines</b>	Mrs. Jessica Adeline D. Jamero jadjamero@caap.gov.ph jamerojessica@gmail.com	33	31	10	41	12 AIRAC cycles in 3 years, completed by 20 Nov 2022 Migration of old charts to new system will be completed in 2019
<b>Republic of Korea</b>	Mr. Koh Hanseung koh119@korea.kr	38	32	15	47	Completed
<b>Samoa</b>		5			0	
<b>Singapore</b>	Mr. Michael Shee michael_shee@caas.gov.sg	6	6	0	6	
<b>Solomon Islands</b>	Mr. Alfred Tannyson Pitaa apitaa@mca.gov.sb; ats@solomon.com.sb				0	
<b>Sri Lanka</b>	M A K Prasanna dans@caa.lk	0			0	
<b>Thailand</b>	Mr. Karan Chantrong karan.c@caat.or.th	62	58	10	72	29 Airports Completed, rest by August 2021.
<b>Timor Leste</b>					0	
<b>Tonga</b>	Tino Fuka tfuka@tongaairports.com	8			0	
<b>Tuvalu</b>		2			0	
<b>Vanuatu</b>	Mr. Paul Lennis paul.civa@vanuatu.com.vu	13			0	
<b>Vietnam</b>	Mr. Nguyen The Hung hungand@caa.gov.vn	9			0	
<b>New Caledonia</b>	Mr. Maxime Fournier maxime.fournier@aviation-civile.gouv.fr		9	5	14	
<b>French Polynesia</b>	Aurélie Laplane aurelie.laplane@aviation-civile-gouv.fr		35	12	47	
<b>Wallis and Futuna Is.</b>	Mr. Maxime Fournier maxime.fournier@aviation-civile.gouv.fr		2	2	4	

<b>United States of America(in APAC)</b>	Victoria Williams		19	0	19	Not to change chart identification . PBN requirements box information on all new and amended approach procedures.



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Central African  
(WACAF) Office  
Dakar

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North Atlantic  
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Southern African  
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