



International Civil Aviation Organization

**THE TENTH MEETING OF PERFORMANCE BASED NAVIGATION
IMPLEMENTATION COORDINATION GROUP (PBNICG/10)**

Bangkok, 19 - 21 April 2023

Agenda Item 2: Implementation status of the Regional Transition Plan for RNP APCH Chart Identification from RNAV to RNP

MALAYSIA REGIONAL TRANSITION PLAN PROGRESS

(Presented by Malaysia)

SUMMARY

This information paper provides information on the latest progress of Regional Transition Plan for RNP APCH Chart Identification from RNAV to RNP In Malaysia.

1. INTRODUCTION

1.1 In last PBNICG 9 conference held on March 2022 via video conference, Malaysia had presented the initiative to start the process to change the identification PBN instrument flight procedure approach charts from RNAV to RNP in compliance with Amendment 8 to the Procedure for Air Navigation Services – Aircraft Operations (Doc 8168, PANS-OPS) and the ICAO Circular 353.

1.2 This IP will reflect the final outcome of the implementation plan.

2. DISCUSSION

Malaysia's Implementation Plan

2.1 Malaysia had prepared the information with the introduction of AIC detailing the process which was published on December 16th 2021.

2.2 As per circular, the new chart identification will be identified as RNP.
 (refer Table 1.1, para 1.3.1, ICAO Circular 353-AN/209)

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)

2.3 The transition plan came in two phases. Phase 1 was implemented in the second quarter of 2022 and Phase 2 on the final quarter of 2022. Details of the aerodromes (international & domestic) involved in this transition plan are listed below:

CHANGE OF INSTRUMENT FLIGHT PROCEDURE APPROACH CHART IDENTIFICATION FROM RNAV TO RNP									
INTERNATIONAL AERODROME									
No.	Aerodrome (ICAO Code)	RWY End	LNAV	LNAV/VNAV	RNP AR	Old Chart Identification	New Chart Identification	Page in AIP Malaysia	Effective Date
1	KL International Airport (WMKK)	14L	Y	Y		RNAV (GNSS) RWY 14L	RNP Y RWY 14L	AD 2-WMKK-8-3	14th July 2022
		14R	Y	Y		RNAV (GNSS) RWY 14R	RNP Y RWY 14R	AD 2-WMKK-8-9	14th July 2022
		15	Y	Y		RNAV (GNSS) RWY 15	RNP Y RWY 15	AD 2-WMKK-8-13	14th July 2022
		32L	Y	Y		RNAV (GNSS) RWY 32L	RNP Y RWY 32L	AD 2-WMKK-8-19	14th July 2022
		32R	Y	Y		RNAV (GNSS) RWY 32R	RNP Y RWY 32R	AD 2-WMKK-8-23	14th July 2022
		33	Y	Y		RNAV (GNSS) RWY 33	RNP Y RWY 33	AD 2-WMKK-8-29	14th July 2022
2	Langkawi International Airport (WMKL)	03			Y	RNAV (RNP) Z	RNP Z RWY 03 (AR)	AD 2-WMKL-8-9	14th July 2022
			Y	Y		RNAV (GNSS) Y	RNP Y RWY 03	AD 2-WMKL-8-11	14th July 2022
3	Penang International Airport (WMKP)	04			Y	RNAV (RNP) Z	RNP Z RWY 04 (AR)	AD 2-WMKP-8-7	14th July 2022
			Y	Y		RNAV (GNSS) Y	RNP Y RWY 04	AD 2-WMKP-8-17	14th July 2022
		22			Y	RNAV (RNP) Z	RNP Z RWY 22 (AR)	AD 2-WMKP-8-11	14th July 2022
			Y	Y		RNAV (GNSS) Y	RNP Y RWY 22	AD 2-WMKP-8-21	14th July 2022
4	Senai International Airport (WMKJ)	16			Y	RNAV (RNP) Y	RNP Z RWY 16 (AR)	AD 2-WMKJ-8-9	14th July 2022
		34			Y	RNAV (RNP) Y	RNP Z RWY 34 (AR)	AD 2-WMKJ-8-29	14th July 2022

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INTERNATIONAL AERODROME									
No.	Aerodrome (ICAO Code)	RWY End	LNAV	LNAV/VNAV	RNP AR	Old Chart Identification	New Chart Identification	Page in AIP Malaysia	Effective Date
5	Kuching International Airport (WBGG)	07			Y	RNAV (RNP) Z	RNP Z RWY 07 (AR)	AD 2-WBGG-8-11	01st December 2022
		25			Y	RNAV (RNP) Z	RNP Z RWY 25 (AR)	AD 2-WBGG-8-17	01st December 2022
6	Kota Kinabalu International (WBKK)	02	Y	Y		RNAV (GNSS) Y	RNP Y RWY 02	AD 2-WBKK-8-17	01st December 2022
					Y	RNAV (RNP) Z RWY 02	RNP Z RWY 02 (AR)	AD 2-WBKK-8-21	01st December 2022
		20	Y	Y		RNAV (GNSS) Y	RNP Y RWY 20	AD 2-WBKK-8-19	01st December 2022
					Y	RNAV (RNP) Z	RNP Z RWY 20 (AR)	AD 2-WBKK-8-27	01st December 2022
DOMESTIC AERODROME									
7	Sultan Abdul Halim (WMKA)	04			Y	RNAV (RNP) Z	RNP Z RWY 04 (AR)	AD 2-WMKA-8-9	14th July 2022
			Y	Y		RNAV (GNSS) Y RWY 04	RNP Y RWY 04	AD 2-WMKA-8-13	14th July 2022
8	Sultan Abdul Aziz Shah (WMSA)	15	Y	Y		RNAV (GNSS)	RNP Y RWY 15	AD 2-WMSA-8-5	14th July 2022
		33	Y	Y		RNAV (GNSS)	RNP Y RWY 33	AD 2-WMSA-8-7	14th July 2022
9	Malacca (WMKM)	03	Y	Y		RNAV (GNSS) RWY03	RNP Y RWY 03	AD 2-WMKM-8-9	14th July 2022
		21	Y	Y		RNAV (GNSS) RWY21	RNP Y RWY 21	AD 2-WMKM8-19	14th July 2022
10	Sultan Mahmud (WMKN)	04			Y	RNAV (RNP) Z	RNP Z RWY 04 (AR)	AD 2-WMKN-8-13	14th July 2022
			Y	Y		RNAV (GNSS) Y RWY 04	RNP Y RWY 04	AD 2-WMKN-8-21	14th July 2022
		22			Y	RNAV (RNP) Z	RNP Z RWY 22 (AR)	AD 2-WMKN-8-17	14th July 2022
			Y	Y		RNAV (GNSS) Y RWY 22	RNP Y RWY 22	AD 2-WMKN-8-23	14th July 2022
11	Sultan Ismail Petra (WMKC)	10			Y	RNAV (RNP) Z	RNP Z RWY 10 (AR)	AD 2-WMKC-8-7	14th July 2022
			Y	Y		RNAV (GNSS) Y	RNP Y RWY 10	AD 2-WMKC-8-15	14th July 2022
		28			Y	RNAV (RNP) Z	RNP Z RWY 28 (AR)	AD 2-WMKC-8-11	14th July 2022
			Y	Y		RNAV (GNSS) Y	RNP Y RWY 28	AD 2-WMKC-8-17	14th July 2022
12	Bintulu (WBGB)	17	Y	Y		RNAV (GNSS) Y	RNP Y RWY 17	AD 2-WBGB-8-5	01st December 2022
					Y	RNAV (RNP) Z	RNP Z RWY 17 (AR)	AD 2-WBGB-8-11	01st December 2022
		35	Y	Y		RNAV (GNSS) Y	RNP Y RWY 35	AD 2-WBGB-8-9	01st December 2022
					Y	RNAV (RNP) Z	RNP Z RWY 35 (AR)	AD 2-WBGB-8-13	01st December 2022
13	Sibu (WBSG)	13			Y	RNAV (RNP) Z	RNP Z RWY 13 (AR)	AD 2-WBSG-8-11	01st December 2022
		31			Y	RNAV (RNP) Z	RNP Z RWY 31 (AR)	AD 2-WBSG-8-15	01st December 2022
14	Miri (WBGR)	02	Y	Y		RNAV (GNSS) Y	RNP Y RWY 02	AD 2-WBGR-8-13	01st December 2022
					Y	RNAV (RNP) Z	RNP Z RWY 02 (AR)	AD 2-WBGR-8-21	01st December 2022
		20	Y	Y		RNAV (GNSS) Y	RNP Y RWY 20	AD 2-WBGR-8-15	01st December 2022
					Y	RNAV (RNP) Z	RNP Z RWY 20 (AR)	AD 2-WBGR-8-25	01st December 2022
15	Labuan (WBKL)	14	Y	Y		RNAV (GNSS) Y	RNP Y RWY 14	AD 2-WBKL-8-5	01st December 2022
					Y	RNAV (RNP) Z	RNP Z RWY 14 (AR)	AD 2-WBKL-8-11	01st December 2022
		32	Y	Y		RNAV (GNSS) Y	RNP Y RWY 32	AD 2-WBKL-8-9	01st December 2022
					Y	RNAV (RNP) Z	RNP Z RWY 32 (AR)	AD 2-WBKL-8-13	01st December 2022

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DOMESTIC AERODROME									
No.	Aerodrome (ICAO Code)	RWY End	LNAV	LNAV/VNAV	RNP AR	Old Chart Identification	New Chart Identification	Page in AIP Malaysia	Effective Date
16	Sandakan (WBKS)	08	Y	Y		RNAV (GNSS) Y	RNP Y RWY 08	AD 2-WBKS-8-9	01st December 2022
		26			Y	RNAV (RNP) Z	RNP Z RWY 26 (AR)	AD 2-WBKS-8-19	01st December 2022
17	Tawau (WBKW)	06			Y	RNAV (RNP) Z RWY 06	RNP Z RWY 06 (AR)	AD 2-WBKW-8-7	01st December 2022
		24			Y	RNAV (RNP) ZRWY 24	RNP Z RWY 24 (AR)	AD 2-WBKW-8-11	01st December 2022

2.4 The changes of identification as published in AIP Malaysia are shown below (Figure 1 – 4):

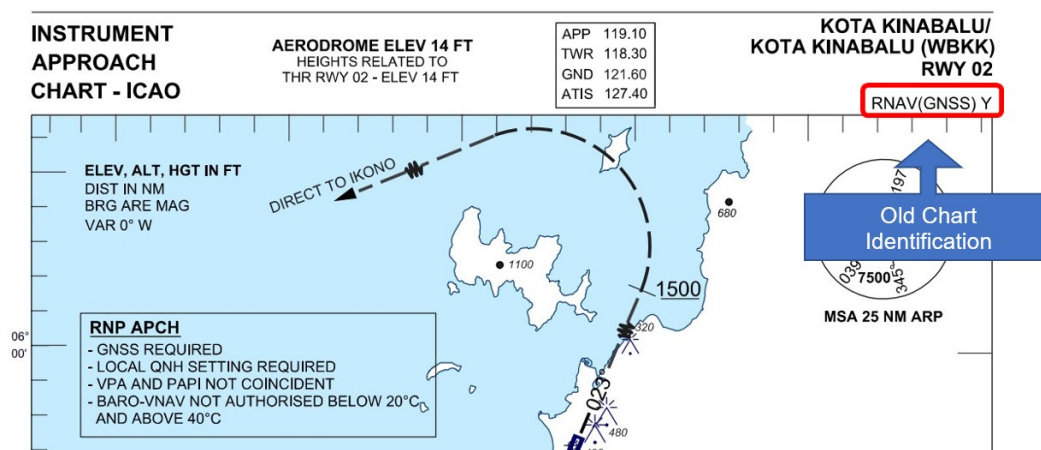


Figure 1 – Old chart identification name, published January 2022



Figure 2 – New chart identification name, effective December 2022

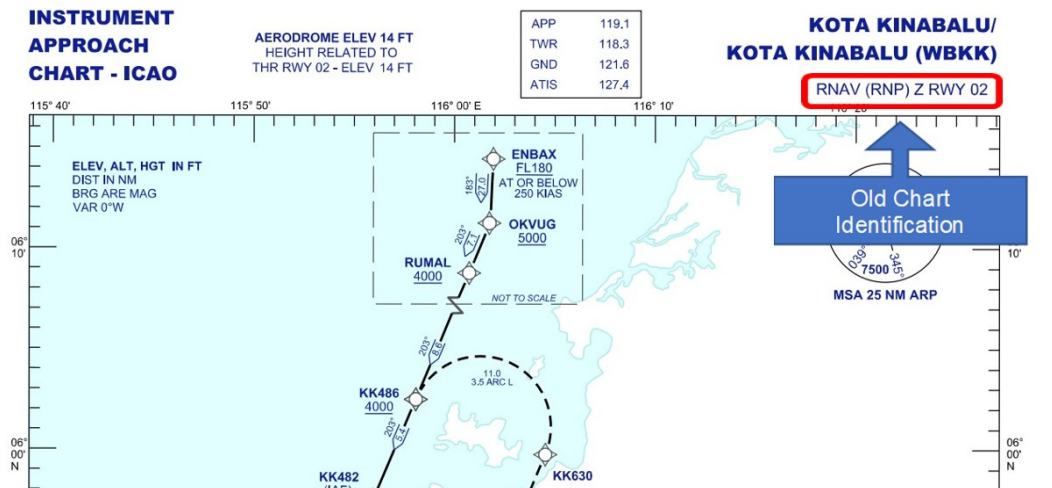


Figure 3 – Old chart identification name, published September 2020

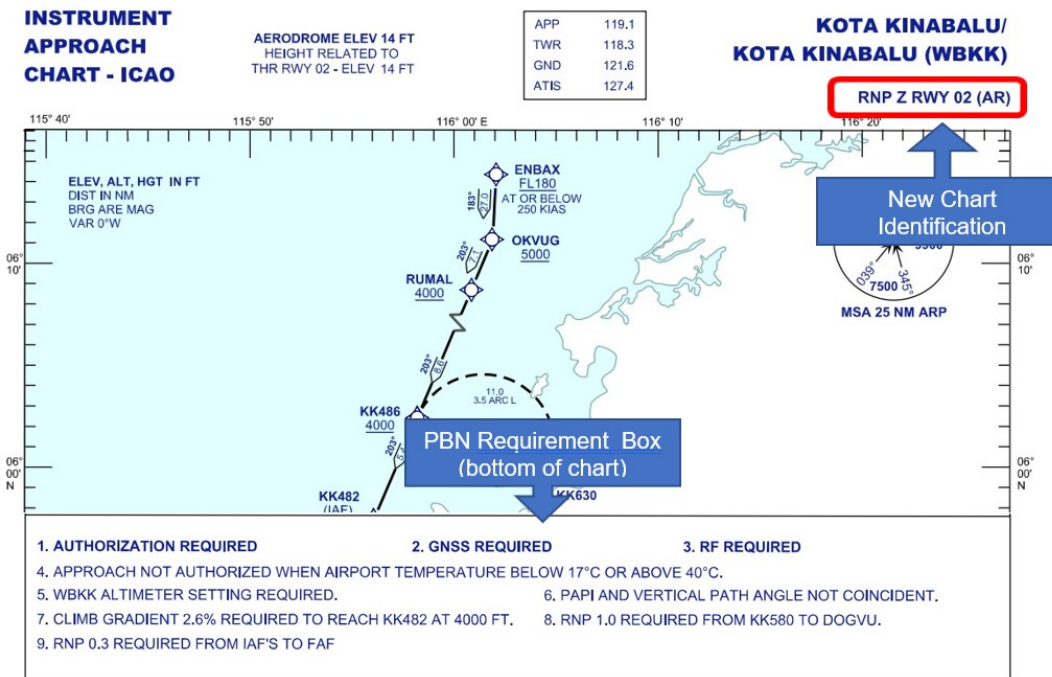


Figure 4 – New chart identification name, effective December 2022

2.5 For the first phase of implementation, a total of 28 Instrument Approach Charts (IACs) have been renamed and take effect on 14th July 2022. For the second phase, a total of 24 IACs involved which become effective on 1st December 2022. Therefore, by the end of 2022, Malaysia managed to rename and comply with the Amendment 8 to the Procedure for Air

Navigation Services – Aircraft Operations (Doc 8168, PANS-OPS) and the ICAO Circular 353.

2.6 A total of 52 instrument approach charts were renamed accordingly during this implementation phases.

2.7 By May 2023, Malaysia should receive an additional 12 RNP APCH charts with the new format in accordance with Circular 353.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

Note the information contained in this paper
