



ICAO

*International Civil Aviation Organization***NINTH MEETING OF SPECTRUM REVIEW  
WORKING GROUP (SRWG/9)**

Bangkok, Thailand, 07 – 09 May 2025

**Agenda Item 6:** Review of Frequency Lists in the Region**REVIEW OF FREQUENCY LISTS**

(Presented by the Secretariat)

**SUMMARY**

This paper presents the status of Frequency Lists and the coordination on aeronautical frequency utilization for the region in 2024.

**1. INTRODUCTION**

1.1 The Third Asia/Pacific Regional Air Navigation Meeting (ASIA/PAC/3 RAN), held in Bangkok in 1993, agreed that the frequency lists prepared by the Asia and Pacific Regional Office would be the frequency planning documents for the Region.

1.2 States/Administrations are encouraged to coordinate with ICAO APAC Office for aeronautical services in the frequency bands of 190-526.5 kHz (NDB, Frequency List 1), 108-117.975 MHz, 960 – 1215 MHz (VOR, DME and ILS, Frequency List 2) and 117.975 to 137 MHz (VHF COM, Frequency List 3), as well as all others that may affect the use of aeronautical frequencies in other States/Administrations, e.g. frequencies for AM(OR) service.

1.3 This paper shares the current status of Frequency lists published and maintained by ICAO APAC Office.

**2. DISCUSSION**

2.1 The ICAO Asia and Pacific Office developed a standalone computer tool, Frequency Manager, to estimate, register assignments and generate the Frequency Lists 1, 2 and 3 in the past. New Editions of the lists were issued on a regular basis. It was recommended that any errors or discrepancies should be communicated to the ICAO Asia and Pacific Regional Office.

2.2 In 2016, the frequency coordination for VHF COM at the APAC Regional Office was implemented with the Frequency Finder tool. The up-to-date database (equivalent to Frequency List No. 3 in the APAC region) is transparent and visible to all Frequency Finder users.

2.3 ICAO made continuous efforts to improve the Frequency Finder tool and encouraged States/Administrations to use the latest version of the Frequency Finder tool to enjoy the most benefits.

2.4 The Frequency Finder tool incorporated VHF NAV module since 2020, and ICAO APAC Regional Office has started to introduce the (revised) frequency assignment planning criteria for NAV<sup>1</sup> facilities, review the currency of the Frequency List No.2, in particular in light of the increased congestion and even saturation of this band for future ILS or VOR frequency assignments as well as the expected implementation of GBAS/VDB, furthermore, ensure that the Frequency List 2 is correct and up-to-date and lists all NAV stations that are currently in operation or planned.

2.5 ICAO APAC Office synchronized all registered assignments on Frequency List 2 in the Frequency Manager into Frequency Finder in 2022 and has been using Frequency Finder on frequency assignments for NAV systems.

2.7 During SRWG/7, the Secretariat proposed an interim solution to publish Frequency List 2 (36<sup>th</sup> edition) by Frequency Finder, which was supported by the meeting. ICAO hosted a Workshop on Frequency Finder at the ICAO Asia and Pacific (APAC) Regional Office on 9-13 October 2023. The workshop supported the migration of Frequency List 2 to the Frequency Finder global database (refer to WP07 of SRWG/8).

2.8 The publication of Frequency List 1 (38<sup>th</sup> edition) and Frequency List 2 (37<sup>th</sup> edition) using Frequency Finder was done in 2024 by State Letter reference T 8/8.4 & T 8/8.5: AP070/24 (CNS) dated 28 May 2024.

2.9 The CNS SG/28 endorsed the Draft Conclusion CNS SG/28/07 (SRWG/8/4) – *Transition from the regular publication of Frequency List 2 to the global database of frequencies included in the Frequency Finder* which was adopted by APANPIRG/35 by **Conclusion APANPIRG/35/9**. As discussed in SRWG/8, after adopting the Draft Conclusion CNS SG/28/07 (SRWG/8/4), the ICAO APAC Regional Office will stop the regular publication of Frequency List 2.

2.9 Frequency Manager is now used only for NDB assignments and the maintenance of Frequency List 1. As informed in the SRWG/8 meeting, the computer for running Frequency Manager failed in January 2024. Even after recovery, the tool is intermittent, and it is getting difficult to utilize. There is a risk that the tool may be unavailable for use in the near future. In such cases, it would be challenging to allocate NDB frequency to the APAC States/Administrations.

2.10 Recently, the ICAO APAC Office published Frequency List 1 (39<sup>th</sup> edition) in 2025 by State Letter Ref.: T 8/8.4 : AP056/25 (CNS) dated 24 April 2025. The Frequency List 1 (39<sup>th</sup> edition) can also be accessed on the [ICAO APAC e-Docs webpage](#).

2.10 In 2024, the ICAO APAC Regional Office coordinated over 500 Frequency registrations, including VHF COM frequencies (List 3), NAV frequencies (List 2), and NDB frequencies (List 1).

2.11 The purpose of the Frequency List is to provide comprehensive information for frequency planning. It should be emphasized that in order for the Lists to be of real value for frequency planning, these documents should be up-to-date. To accomplish this, it is essential that States coordinate with the Regional Office for any change in assignment or requirement for new frequencies prior to their use. The Regional Office will update the Lists on a regular basis.

### **3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) note the information contained in this paper;

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<sup>1</sup> In this paper NAV systems or NAV facilities refer to ILS (Localizer and Glide Path), VOR, DME and GBAS/VDB.

- b) coordinate with the Regional Office for any change in assignment or requirement for new frequencies prior to their use;
- c) discuss the way for NDB assignments and the maintenance of Frequency List 1(NDB) in case of failure of Frequency Manager; and
- d) discuss any relevant matter as appropriate.

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