



International Civil Aviation Organization

ICAO SEVENTH MEETING OF SPECTRUM REVIEW WORKING GROUP (SRWG/7)

Bangkok, Thailand, 15-17 February 2023

Agenda Item 11: Review the action items

REVIEW OF THE ACTION LIST

(Presented by the Secretariat)

SUMMARY

This paper presents the development in APAC Region and the Action List for review by this meeting.

1. INTRODUCTION

1.1 Since its establishment, the following meetings of this WG have been held with significant development and achievements:

• SRWG/1	26-27 June 2014 in Bangkok	8 participants from 5 States
• SRWG Webconference 1	30 September 2014	7 participants from 4 States
• SRWG Webconference 2	05 November 2014	9 participants from 6 States
• SRWG Webconference 3	13 January 2015	9 participants from 5 States
• SRWG/2	12-14 May 2015 in Bangkok	17 participants from 9 States
• SRWG Webconference 4	02 July 2015	8 participants from 5 States
• SRWG Webconference 5	18 February 2016	6 participants from 5 States
• SRWG/3	31 May - 02 June 2016 in Bangkok	11 participants from 7 States
• SRWG/4	9-10 June 2020 via VTC	43 participants from 11 States
• SRWG/5	15-17 March 2021 via VTC	109 participants from 18 States
• SRWG/6	1-3 March 2022 via VTC	74 participants from 16 States

2. DISCUSSION

2.1 SRWG/6 updated action list is provided in this paper in **Appendix A**. The secretariat and States, with strong support from Ms Mie Utsunomiya, Technical Officer CNS, and Ms Fabiola Chouha, Technical Associate CNSS and the person managing the Frequency Finder tool at ICAO HQs, Montreal, and by Mr. Robert Witzen, a former ICAO Officer, an expert in frequency management and main developer of Frequency Finder software tool, have carried out necessary follow-up with various action items.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) review and update the Action List provided in **Appendix A**; and
- c) discuss any relevant matters as appropriate.

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Appendix A to WP14

Reference	Who	What	Due date	Status	Completed on	Result	Comment
A 2-7	All	to check consistency between global database and frequency list 3	en-going			Information in original Frequency List3 now kept and updated in FF	Note: Transition of COM list 2 in pprogress
A 4-4	All	Experience sharing on Frequency Finder use	30-Mar-21	Open		In-progress	Sharing tests on SSR module to start soon. Work on test plan for COM and NAV-ongoing
A 4-5	All	States to provide ICAO Regional Office with information of all facilities that are in operation to improve the currency of Frequency lists	30-Mar-21	Open		In progress	
A 4-6	ICAO	Frequency Finder workshop on COM module, and new NAV Module (Mode S SSR II Code module as necessary).	30-Mar-21	Closed		Under coordination subject to the pandemic situation	See my comments on Action Item A5/10
A 4-7	All, Robert Witzen	Create ad hoc group to draft Table of Content first, then develop the regional guidance material on aeronautical frequency spectrum management in a shared way by States.	31-Mar-23	Open		CAAC volunteered to share a draft and lead the adhoc group. Decided to be continued in SRWG/5.	1. follow up VTC on 3 July. 2. Ad hoc drafting group meeting with CAAC on 10 July
A4-8	Robert Witzen, All	to run new VHF COM simulations	31-Mar-23	Open		To be conducted with required raw data submission from States/Administration	
A5-1	ICAO, States	ICAO secretariat acts as a point of contact of SRWG to track and monitor and to take the suggestions for improvement as well as concerns on the space based VHF issue whether the information be provided by Singapore on a voluntary basis, updates from an FSMP WG meeting, from States or from other appropriate sources	21-Mar-22	Ongoing			
A5-2	ICAO	to host a regional WRC-23 preparatory meeting upon coordination with ICAO HQ after lifting of travel restriction.	31-Dec-22	Open			
A5-3	ICAO	to resolve firewall query of Australia for FF installation and use.	31-Mar-21	Open			Already replied during report
A5-4	ICAO	to inform ICAO HQ to consider the feasibility incorporating terrain data into future version of Frequency Finder	SRWG/7	Open			
A5-5	ICAO, India, Thailand, China, Japan, Mr. Robert Witzen	ad-hoc group led by India to further explore the issue of 50 kHz channel spacing in the frequency band 108-117.975 MHz for ILS (LOC)/VOR operations and provide the inputs to SRWG/6. To coordinate with Japan to participate in ad-hoc group.	31-Mar-22	Open			Completed with the paper from India.

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Reference	Who	What	Due date	Status	Completed on	Result	Comment
A5-6	ICAO	to take appropriate follow up action to improve the awareness on the potential of emerging technologies and the necessity to consider the development of software tool like Frequency Finder to support the frequency assignment planning at regional office in future.	SRWG/7	Open			Currently a new technology implemented in FF is using GBAS/VDB Ongoing stuies in NSP and FSMP are on LDACS in the DMEband
A5-7	ICAO	to issue a State Letter with clear actions and guidance for States to submit necessary data for VHF simulation, as a response to the Conclusion CNS-SG/24/7	31-Mar-21	Closed			SL Ref.: T 8/8.6 –AP058/21(CNS), 09 April 2021, Subject: Simulation of VHF COM Frequency requirements for next 10 years
A5-8	ICAO, States	to create a POC for all CNS matters as it is for ATM and compile them in APANPIRG POC.	31-Dec-21	Ongoing			SL Ref.: T 8/8.9 - AP057/21(CNS), 08 April 2021, Subject: Focal Point for Frequency Coordination
A5-9	ICAO	to take necessary follow up action at regional level, to support CAAs working with State's spectrum regulators to avoid the future safety issues on radio altimeter due to 5G implementation. (Action Item 5-9 was superceded by Action Item 6-8 recorded in SRWG/6)	SRWG/6	Open			HQ SL: Ref.: SP 74/1-21/22, 25 March 2021, Subject: Potential safety concerns regarding interference to radio altimeters
A5-10	ICAO	to conduct a workshop after new release of FF along with online course proposed by ICAO HQ for new release of FF is available	SRWG/7	Open			Has a Workshop been planned? A workshop F2F is necessary as part of the User Acceptance Test.
A6-1	ICAO, SRWG	Recommended to undertake an analysis on VHF COM simulation in 3-5 years from now (2025-2028) to assess the severity of the congestion	2025-2028	Open			
A6-2	ICAO	Review the registered frequencies from the simulation conducted in 2016 in the Frequency Finder, and remove those temporary frequencies in the Frequency Finder in previous simulation service	SRWG/7	Open			
A6-3	ICAO	Establish an ad-hoc group (in offline mode through email list) to review the VHF COM Frequency Allotment Plan for APAC in terms of effective use of frequencies in the region, including the review of non-safety critical frequency use.	SRWG/7	Open			

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Reference	Who	What	Due date	Status	Completed on	Result	Comment
A6-4	ICAO	Publish questionnaire for APAC states for possible introduction of 50 kHz channel spacing in the APAC region via State Letter from ICAO APAC Regional Office (follow up of A5-5)	30-Apr-22	Open			
A6-5	ICAO	Probable augmentation of the Frequency Finder tool to incorporate indication to States to coordinate or not to coordinate	SRWG/7	Open			
A6-6	China, ICAO	To summarize the revised planning principle/criteria in the format used in WP04 of SRWG/1	SRWG/7	Open			
A6-7	ICAO	State Letter on updated Guidance Material to invite APAC States for review and comments (Follow-up of A4-7)	SRWG/7	Open			