

International Civil Aviation Organization

NINTH MEETING OF SPECTRUM REVIEW WORKING GROUP (SRWG/9)

Bangkok, Thailand, 07 – 09 May 2025

Agenda Item 4: Review Frequency planning requirements for the Asia/Pacific Region

4.1 VHF COM Frequency Allotment Plan for APAC

FOLLOW-UP ACTIONS FOR REVISED VHF COM FREQUENCY ALLOTMENT PLAN FOR APAC

(Presented by Secretariat)

SUMMARY

This paper presents the latest actions taken on approved VHF COM Frequency Allotment Plan for APAC Region.

1. INTRODUCTION

1.1 The Thirty-Fifth Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/35) was held at the ICAO APAC Regional Office, Bangkok, Thailand, from 25 to 27 November 2024. The Meeting was attended by **163** participants from **24** Member States, **2** Special Administrative Regions of China, and **6** International Organizations. The APANPIRG/35 meeting report, working papers, information papers, and other resources can be accessed by the following link:

https://www.icao.int/APAC/Meetings/Pages/2024-APANPIRG-35.aspx

1.2 The Twenty-Eighth Meeting of the Communications, Navigation and Surveillance Sub-group (CNS SG/28) of APAC Air Navigation Planning and Implementation Regional Group (APANPIRG) was held at the ICAO APAC Regional Office, Bangkok, Thailand, from 1 to 5 July 2024. The Meeting was attended by **120** participants from **25** States/Administrations, **3** International Organizations, and **6** participants from industry partners. The Meeting report and other documents of the Meeting can be accessed at the ICAO APAC Meeting webpage at:

https://www.icao.int/APAC/Meetings/Pages/2024-CNS-SG-28.aspx

1.3 The Eighth Meeting of the Spectrum Review Working Group (SRWG/8) of APANPIRG was held in the ICAO APAC Regional Office, Bangkok, Thailand, with the hybrid option of video teleconferencing on 5 – 7 March 2024. The Meeting was attended by **48** participants (41 in-

person attendance and 7 virtual attendance) from **14** States/Administrations and **2** International Organizations. The working papers, information papers, meeting report, and other resources of SRWG/8 are available at:https://www.icao.int/APAC/Meetings/Pages/2024-SRWG8.aspx

1.4 This paper provides the actions taken by the ICAO Secretariat after approval of the VHF COM Frequency Allotment Plan for the APAC Region by APANPIRG/35.

2. DISCUSSION

- 2.1. ICAO Annex 10, Volume V, Chapter 4 contains a general allotment of the frequency band 117.975–137 MHz, which the ITU allocates to the **Aeronautical Mobile (R) Service**. The main subdivisions of this band are the frequency bands allocated to both **international and national services** and frequency bands solely allocated to **national services**. Specific allotments to services are to be determined regionally.
- 2.2. VHF Allotment plans have been developed for all ICAO Regions. These allotment plans sub-divide the frequency band 117.975 137 MHz into sub-bands that are to be used for specific aeronautical applications or services such as TWR, ACC, APP, VOLMET etc. These allotment plans are part of the ICAO Regional Air Navigation Plan.
- 2.3. Currently, the VHF COM frequency coordination and registration in the APAC region is supported by the ICAO tool Frequency Finder (FF). The tool is updated to implement the planning principle of Doc 9718 Volume II (Second Edition, 2022) as well as the VHF COM Frequency Allotment Plan for APAC, which is provided in Doc 9718 Volume II as APP B-2.
- 2.4. Simulations of future spectrum requirements had shown that specific allotments in the current allotment plan were becoming saturated, while other allotments were underutilized and could provide space for accommodating new requirements. In addition, some proposals by States/Administrations were identified as falling into the Not Allotted part of the VHF COM Frequency Allotment Plan for APAC.
- 2.5. The Seventh Meeting of the Spectrum Review Working Group (SRWG/7) held in 2023 reconsidered the VHF COM Frequency Allotment Plan for the APAC Region. Subsequently, the SRWG/7 agreed to form an ad hoc expert group with China as the rapporteur and Mr. Robert Witzen as an advisor, to study the allotment plan, analyze the actual usage of allotment registered in FF, identify areas for improvement and propose solutions (technical and administrative), explore the potential in reallocating sub-bands/pools, and survey the use of TIBA.
- 2.6. The interim introduction of the progress on the VHF COM Frequency Allotment Plan for the APAC Region was presented to CNS SG/27 as IP/13, and further review and discussion were needed in this SRWG/8 Meeting.
- 2.7. In the SRWG/8 Meeting, by WP/16, China presented the latest actions taken on the VHF COM Frequency Allotment Plan for the APAC Region, including the statistical analyses of the actual usage of frequencies in the APAC Region, and suggested simplifying the APAC Frequency Allotment Plan by converging the various allotments of "sub-services" to the main service, and proposed the twelve frequencies which have not been allotted to any services, be allotted to ACC services.
- 2.8. It was informed that the revised VHF COM Frequency Allotment Plan in the Table and the Chart for the APAC Region, provided in **Appendix A**, was included in the revised Asia/Pacific Regional Aeronautical Radio Frequency Management Guidance Material v1.1 which was adopted by SRWG/8 by **Conclusion SRWG/8/5** Asia Pacific Regional Aeronautical Radio Frequency

Management Guidance Material Edition 1.1. In addition, it was noted that **the new allotment of twelve** (12) **frequencies**, belonging to the International and National Aeronautical Mobile Services band, having not been included in any of the Asia-Pacific conference outcomes, which was proposed to be allotted to ACC services in SRWG/7, were listed.

- 2.9. The SRWG/8 Meeting endorsed a draft Conclusion to simplify the VHF COM Frequency Allotment Plan and to clarify the function of these twelve frequencies for ACC service in the APAC Region. APANPIRG/35 meeting adopted the proposed draft Conclusion APANPIRG/35/8 (Conclusion CNS SG/28/06 (SRWG/8/2) VHF COM Frequency Allotment Plan for APAC Region, which was endorsed by CNS SG/28.
- 2.10. It was agreed that the Secretariat would notify the CNSS of the ANB about updates to the regional VHF COM Allotment Plan to ensure the Frequency Finder tool incorporates the latest revisions. To enhance the efficiency of frequency use in the APAC region, Member States/Administrations were requested to review and update the frequencies uploaded in the Frequency Finder (FF), ensuring the database remains current.
- 2.11. ICAO APAC Office coordinated with ICAO HQ to incorporate the *revised VHF COM Frequency Allotment Plan for the APAC Region* in the FF tool. After coordination, the amendment to the allotment plan was incorporated into the Frequency Finder tool in February 2025. The tool will be released with the latest version of Frequency Finder 2025.01.
- 2.12. Furthermore, Volume II of the Handbook on Radio Frequency Spectrum Requirements for Civil Aviation (ICAO Doc 9718, Volume II) is in the process of being updated with the revised APAC VHF COM allotment plan. It will then be placed on the ICAO NET in due course.

3. ACTION BY THE MEETING

- 3.1 The Meeting is invited to:
 - a) note the information contained in this paper and **Appendix A**;
 - b) encourage States/Administrations to provide contributions to the VHF COM Frequency Allotment Plan and raise their respective concerns over the frequency allotment; and
 - c) discuss any relevant matter as appropriate.

SRWG/9 Appendix A to WP/04

APAC Frequency Allotment Plan

Function (revised)	Function	Frequencies (MHz)
TWR	TWR	118.000 118.025 118.050 118.075
118.000-118.875MHz		118.100 118.125 118.150 118.175
124.300-124.375MHz		118.200 118.225 118.250 118.275
		118.300 118.325 118.350 118.375
		118.400 118.425 118.450 118.475
		118.500 118.525 118.550 118.575
		118.600 118.625 118.650 118.675
		118.700 118.725 118.750 118.775
		118.800 118.825 118.850 118.875
		124.300 124.325 124.350 124.375
AS	AS	121.550 121.575
121.550-121.975MHz	AS	121.600 121.625 121.650 121.675
121.330-121.97311112		121.700 121.725 121.750 121.775
		121.800 121.825 121.850 121.875
		121.800 121.823 121.830 121.873
A DD	A DD	
APP	APP	119.500 119.525 119.550 119.575
119.000-119.275MHz		119.600 119.625 119.650 119.675
119.400-120.075MHz		119.800 119.825 119.850 119.875
120.200-120.475MHz	A DD I A DD I	119.900 119.925 119.950 119.975
120.600-120.675MHz	APP-L, APP-I,	119.100 119.125 119.150 119.175
120.800-120.875MHz	Also used for APP	119.200 119.225 119.250 119.275
121.000-121.450MHz	Direction finding or APP	119.400 119.425 119.450 119.475
123.800-123.875MHz	Surveillance radar	119.700 119.725 119.750 119.775
124.000-124.075MHz		120.000 120.025 120.050 120.075
124.200-124.275MHz		120.200 120.225 120.250 120.275
124.400-124.475MHz		120.400 120.425 120.450 120.475
124.600-124.875MHz		120.600 120.625 120.650 120.675
125.000-125.275MHz		120.800 120.825 120.850 120.875
125.400-125.675MHz		121.000 121.025 121.050 121.075
125.800-125.875MHz		121.100 121.125 121.150 121.175
126.000-126.075MHz		121.200 121.225 121.250 121.275
126.300-126.375MHz		121.400 121.425 121.450
126.500-126.575MHz		123.800 123.825 123.850 123.875
127.700-127.775MHz		124.000 124.025 124.050 124.075
127.900-127.975MHz		124.700 124.725 124.750 124.775
		125.100 125.125 125.150 125.175
		125.500 125.525 125.550 125.575
		126.500 126.525 126.550 126.575
		127.700 127.725 127.750 127.775
		127.900 127.925 127.950 127.975
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		124.400 124.425 124.450 124.475
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		124.800 124.825 124.850 124.875
		125.000 125.025 125.050 125.075
		125.200 125.225 125.250 125.275
		125.400 125.425 125.450 125.475

SRWG/9 Appendix A to WP/04

	Appendix A to WP/	04
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		125.800 125.825 125.850 125.875
		126.000 126.025 126.050 126.075
		126.300 126.325 126.350 126.375
ACC	ACC-L	126.100 126.125 126.150 126.175
118.900-118.975MHz	Also used for ACC-L	127.500 127.525 127.550 127.575
119.300-119.375MHz	Surveillance Radar	128.300 128.325 128.350 128.375
120.500-120.575MHz	Surveinance Radar	128.700 128.725 128.750 128.775
120.700-120.775MHz	ACC-U	118.900 118.925 118.950 118.975
120.700-120.775MHz 120.900-120.975MHz	ACC-U ACC-L	119.300 119.325 119.350 119.375
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		120.500 120.525 120.550 120.575
124.500-124.575MHz		120.700 120.725 120.750 120.775
125.300-125.375MHz		120.900 120.925 120.950 120.975
125.700-125.775MHz		123.700 123.725 123.750 123.775
125.900-125.975MHz		124.500 124.525 124.550 124.575
126.100-126.175MHz		125.300 125.325 125.350 125.375
127.500-127.575MHz		125.700 125.725 125.750 125.775
128.100-128.175MHz		125.900 125.925 125.950 125.975
128.300-128.375MHz		128.100 128.125 128.150 128.175
128.700-128.775MHz		132.050 132.075
132.050-134.575MHz		132.100 132.125 132.150 132.175
135.825-135.975MHz		132.200 132.225 132.250 132.275
		132.300 132.325 132.350 132.375
		132.400 132.425 132.450 132.475
		132.500 132.525 132.550 132.575
		132.600 132.625 132.650 132.675
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		133.700 133.725 133.750 133.775
		133.800 133.825 133.850 133.875
		133.900 133.925 133.950 133.975
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		134.100 134.125 134.150 134.175
		134.200 134.225 134.250 134.275
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		135.825 135.850 135.875
		135.900 135.925 135.950 135.975
FIS	FIS-L	120.100 120.125 120.150 120.175
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124.100-124.175MHz		124.900 124.925 124.950 124.975
124.900-124.975MHz		126.700 126.725 126.750 126.775
124.900-124.975MHz 126.700-126.775MHz		126.900 126.925 126.950 126.975
126.900-126.975MHz		127.100 127.125 127.150 127.175

SRWG/9 Appendix A to WP/04

127.100-127.175MHz 127.300 127.325 127.350 127.375 128.500 128.525 128.550 128.575 128.500 128.525 128.550 128.575 128.500 128.525 128.550 128.575 134.600 134.625 134.650 134.675 134.600 135.800MHz Also used for General purpose communications 134.700 134.725 134.750 134.775 134.700 134.925 134.850 134.875 134.900 134.925 134.950 134.975 135.000 135.025 135.050 135.075 135.000 135.025 135.050 135.075 135.000 135.025 135.505 135.375 135.300 135.225 135.250 135.375 135.500 135.525 135.550 135.375 135.500 135.525 135.550 135.575 135.600 135.625 135.550 135.575 135.600 135.625 135.550 135.575 135.600 135.625 135.550 135.575 135.600 135.625 135.550 135.575 135.600 126.625 126.650 126.675 126.600 126.6275MHz 126.600 126.675MHz 126.600 126.675MHz 126.600 126.675MHz 126.600 126.675MHz 127.000 127.025 127.050 127.075 127.200 127.225 127.250 127.275 127.200 127.275MHz 127.400 127.425 127.450 127.455 127.400 127.425 127.450 127.475 127.600 127.625 127.650 127.675 128.000 128.075MHz 128.000 128.075MHz 128.000 128.025 128.050 128.075 128.000 128.025 128.850 128.075 128.000 128.025 128.650 128.675 128.000 128.825 128.850 128.875 128.000 128.825 128.850 128.875 128.800 128.825 128.850 128.875 128.800 128.825 128.850 128.875 128.800 128.825 128.850 128.875 128.900 123.675(Except 123.100MHz, 123.450MHz) 122.000-123.675(Except 123.100MHz, 123.450MHz) 123.000MHz, 123.450MHz) 123.000MHz, 123.450MHz 123.100MHz, 123.450MHz 123.100MHz 123.100MHz 123.100MHz 123.100MHz 123.100MHz 123.100MHz 1	Appendix A to WP/04				
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135.500 135.525 135.550 135.575 135.600 135.625 135.650 135.675 135.600 135.625 135.650 135.675 135.700 135.725 135.750 135.775 135.800			135.300 135.325 135.350 135.375		
135.600 135.625 135.650 135.675 135.700 135.725 135.750 135.775 135.700 135.725 135.750 135.775 135.800			135.400 135.425 135.450 135.475		
135.700 135.725 135.750 135.775 135.800 VOLMET/ATIS VOLMET/ATIS 126.200 126.225 126.250 126.275 126.200-126.275MHz 126.400 126.425 126.450 126.475 126.400-126.475MHz 126.600 126.625 126.650 126.675 126.600-126.675MHz 126.800 126.825 126.850 126.875 126.800-126.875MHz 127.000 127.025 127.050 127.075 127.000-127.075MHz 127.200-127.275MHz 127.400-127.475MHz 127.400-127.475MHz 127.600 127.625 127.650 127.475 127.600-127.675MHz 127.800-127.825 127.850 127.875 127.800-127.875MHz 127.800 127.825 127.850 127.875 127.800-127.875MHz 128.000-128.025 128.050 128.075 128.000-128.075MHz 128.000-128.025 128.050 128.075 128.000-128.075MHz 128.000-128.025 128.650 128.675 128.400-128.475MHz 128.600-128.675MHz 128.600-128.675MHz 128.600-128.625 128.650 128.675 128.600-128.875MHz 128.600-128.625 128.650 128.875 128.800-128.875MHz 128.900-132.025(Except 128.950MHz) DATA LINK DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR NOT ALLOTED NOT ALLOTED 122.000-123.675(Except 122.000-123.675(Ex			135.500 135.525 135.550 135.575		
135.800 VOLMET/ATIS VOLMET/ATIS 126.200 126.225 126.250 126.275 126.200-126.275MHz 126.400 126.425 126.450 126.475 126.400-126.475MHz 126.600 126.625 126.650 126.675 126.800-126.675MHz 126.800 126.825 126.850 126.875 126.800-126.875MHz 127.000 127.025 127.050 127.075 127.000-127.075MHz 127.200 127.225 127.250 127.275 127.200-127.275MHz 127.400 127.425 127.450 127.475 127.400-127.475MHz 127.600 127.625 127.650 127.675 127.800-127.675MHz 127.800 127.825 127.850 127.875 128.000-128.075MHz 128.000 128.025 128.050 128.075 128.000-128.275MHz 128.200 128.225 128.250 128.275 128.200-128.275MHz 128.400 128.425 128.450 128.475 128.600-128.675MHz 128.600-128.675MHz 128.600-128.625 128.650 128.675 128.800-128.875MHz 128.800-128.875MHz 128.800-128.875MHz 128.800-128.050 128.875 128.800-128.875MHz 128.900-132.025(Except 128.950MHz) DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except 122.000-123.000-123.000-120.000-12			135.600 135.625 135.650 135.675		
VOLMET/ATIS VOLMET/ATIS 126.200 126.225 126.250 126.275 126.200-126.275MHz 126.400 126.425 126.450 126.475 126.400-126.475MHz 126.600 126.625 126.650 126.675 126.800-126.675MHz 126.800 126.825 126.850 126.875 126.800-126.875MHz 127.000 127.025 127.050 127.075 127.000-127.075MHz 127.200 127.225 127.250 127.275 127.200-127.275MHz 127.400 127.425 127.450 127.475 127.600-127.675MHz 127.600 127.625 127.650 127.675 127.800-127.875MHz 127.800 127.825 127.850 127.875 127.800-127.875MHz 128.000 128.025 128.050 128.075 128.000-128.075MHz 128.000 128.025 128.050 128.075 128.000-128.075MHz 128.400 128.425 128.450 128.475 128.400-128.475MHz 128.600 128.625 128.650 128.675 128.800-128.675MHz 128.800 128.825 128.850 128.875 AOC 128.900-132.025(Except DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except			135.700 135.725 135.750 135.775		
126.200-126.275MHz			135.800		
126.400-126.475MHz	VOLMET/ATIS	VOLMET/ATIS	126.200 126.225 126.250 126.275		
126.600-126.675MHz	126.200-126.275MHz		126.400 126.425 126.450 126.475		
126.800-126.875MHz 127.000 127.025 127.050 127.075 127.000-127.075MHz 127.200 127.225 127.250 127.275 127.200-127.275MHz 127.400 127.425 127.450 127.475 127.400-127.475MHz 127.600 127.625 127.650 127.675 127.600-127.675MHz 127.800 127.825 127.850 127.875 127.800-127.875MHz 128.000 128.025 128.050 128.075 128.000-128.075MHz 128.200 128.225 128.250 128.275 128.400-128.475MHz 128.400 128.425 128.450 128.475 128.600-128.675MHz 128.800 128.825 128.850 128.875 128.800-128.875MHz 128.900-132.025(Except AOC 128.950MHz) DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except	126.400-126.475MHz		126.600 126.625 126.650 126.675		
127.000-127.075MHz	126.600-126.675MHz		126.800 126.825 126.850 126.875		
127.200-127.275MHz 127.400 127.425 127.450 127.475 127.400-127.475MHz 127.600 127.625 127.650 127.675 127.600-127.675MHz 127.800 127.825 127.850 127.875 127.800-127.875MHz 128.000 128.025 128.050 128.075 128.000-128.075MHz 128.200 128.225 128.250 128.275 128.200-128.275MHz 128.400 128.425 128.450 128.475 128.400-128.475MHz 128.600 128.625 128.650 128.675 128.800-128.875MHz 128.800 128.825 128.850 128.875 AOC 128.900-132.025(Except 128.950MHz) DATA LINK AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except	126.800-126.875MHz		127.000 127.025 127.050 127.075		
127.400-127.475MHz 127.600 127.625 127.650 127.675 127.600-127.675MHz 127.800 127.825 127.850 127.875 127.800-127.875MHz 128.000 128.025 128.050 128.075 128.000-128.075MHz 128.200 128.225 128.250 128.275 128.200-128.275MHz 128.400 128.425 128.450 128.475 128.400-128.475MHz 128.600 128.625 128.650 128.675 128.800-128.675MHz 128.800 128.825 128.850 128.875 AOC 128.900-132.025(Except 128.950MHz) DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except	127.000-127.075MHz				
127.600-127.675MHz 127.800 127.825 127.850 127.875 127.800-127.875MHz 128.000 128.025 128.050 128.075 128.000-128.075MHz 128.200 128.225 128.250 128.275 128.200-128.275MHz 128.400 128.425 128.450 128.475 128.400-128.475MHz 128.600 128.625 128.650 128.675 128.800-128.675MHz 128.800 128.825 128.850 128.875 AOC 128.900-132.025(Except 128.950MHz) DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except	127.200-127.275MHz		127.400 127.425 127.450 127.475		
127.800-127.875MHz 128.000 128.025 128.050 128.075 128.000-128.075MHz 128.200 128.225 128.250 128.275 128.200-128.275MHz 128.400 128.425 128.450 128.475 128.400-128.475MHz 128.600 128.625 128.650 128.675 128.800-128.675MHz 128.800 128.825 128.850 128.875 AOC 128.900-132.025(Except 128.950MHz) DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except	127.400-127.475MHz		127.600 127.625 127.650 127.675		
128.000-128.075MHz 128.200 128.225 128.250 128.275 128.200-128.275MHz 128.400 128.425 128.450 128.475 128.400-128.475MHz 128.600 128.625 128.650 128.675 128.800-128.675MHz 128.800 128.825 128.850 128.875 AOC 128.900-132.025(Except 128.950MHz) DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except	127.600-127.675MHz		127.800 127.825 127.850 127.875		
128.200-128.275MHz 128.400 128.425 128.450 128.475 128.400-128.475MHz 128.600 128.625 128.650 128.675 128.600-128.675MHz 128.800 128.825 128.850 128.875 128.800-128.875MHz AOC AOC 128.900-132.025(Except 128.950MHz) DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except	127.800-127.875MHz		128.000 128.025 128.050 128.075		
128.400-128.475MHz 128.600 128.625 128.650 128.675 128.600-128.675MHz 128.800 128.825 128.850 128.875 128.800-128.875MHz AOC AOC 128.900-132.025(Except 128.950MHz) DATA LINK DATA LINK AIR-TO-AIR AIR-TO-AIR NOT ALLOTED NOT ALLOTED 128.600 128.625 128.650 128.675 128.900-132.025(Except 128.950MHz) 128.900-132.025(Except 128.950MHz) 128.900-132.025(Except 128.950MHz) 128.900-132.025(Except 128.950 (TIBA)	128.000-128.075MHz		128.200 128.225 128.250 128.275		
128.600-128.675MHz 128.800 128.825 128.850 128.875 128.800-128.875MHz 128.900-132.025(Except 128.950MHz) DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except	128.200-128.275MHz		128.400 128.425 128.450 128.475		
128.800-128.875MHz AOC 128.900-132.025(Except 128.950MHz) DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except	128.400-128.475MHz		128.600 128.625 128.650 128.675		
AOC 128.900-132.025(Except 128.950MHz) DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except	128.600-128.675MHz		128.800 128.825 128.850 128.875		
128.950MHz) DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except	128.800-128.875MHz				
DATA LINK DATA LINK 136.000-136.975 AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675 (Except	AOC	AOC	128.900-132.025(Except		
AIR-TO-AIR AIR-TO-AIR 123.450 128.950 (TIBA) NOT ALLOTED NOT ALLOTED 122.000-123.675(Except			128.950MHz)		
NOT ALLOTED NOT ALLOTED 122.000-123.675(Except	DATA LINK	DATA LINK	136.000-136.975		
	AIR-TO-AIR	AIR-TO-AIR	123.450 128.950 (TIBA)		
` .	NOT ALLOTED	NOT ALLOTED	122.000-123.675(Except		
			123.100MHz, 123.450MHz)		

Note: The allotment of 12 yellow highlighted frequencies for ACC services has not been included in the Asia-Pacific conference outcomes.

