



ICAO

*International Civil Aviation Organization***INFORMATION PAPER (IP/28)****ICAO Asia and Pacific (APAC)****Twenty-Ninth Meeting of the Meteorology Sub-Group
(MET SG/29)**

Bangkok, Thailand, 18-22 August 2025

Agenda Item 4: Regional guidance material**DISSEMINATION OF UNITED STATES METAR AND TAF**

(Presented by the United States)

SUMMARY

This paper proposes an update to the APAC ROBEX Handbook, to provide information on the bulletins that include TAF and METAR provided for aerodromes in the United States and its territories located within the Asia-Pacific region.

1. INTRODUCTION

1.1 TAF and METAR for United States (and its territories) international aerodromes within the APAC region are disseminated by Washington Regional OPMET Data Bank (RODB/IROG), using the KWBC location identifier.

1.2 There is no equivalent to the ROBEX Handbook for the two ICAO Americas regions and so to assist users and MET services in accessing the APAC data produced for United States aerodromes, it is proposed that the information be updated and included in the APAC ROBEX Handbook, and for the US to update the AMHS/AFTN routing at the Washington IROG.

2. DISCUSSION

2.1 The APAC Air Navigation Plan Volume II Table MET II-2 contains METAR and TAF for the following United States aerodromes located within the APAC region, and are listed below.

State/Territory	Airport Name	Airport Identifier
American Samoa (United States)	PAGO PAGO INTERNATIONAL	NSTU
Marshall Islands	MARSHALL ISLANDS/INTL MAJURO ATOLL	PKMJ
Micronesia (Federated States of Micronesia)	POHNPEI INTL, POHNPEI ISLAND	PTPN
	WENO ISLAND, FM CHUUK INTL.	PTKK
	YAP INTL, YAP ISLAND	PTYA
Northern Mariana Islands (United States)	ANDERSON AFB, GUAM ISLAND	PGUA
	FRANCISCO C. ADA/SAIPAN INTERNATIONAL	PGSN
	GUAM INTERNATIONAL, GUAM ISLAND	PGUM
	ROTA/INTL, ROTA I.	PGRO
Palau	BABELTHUAP/KOROR, BABELTHUAP ISLAND	PTRO

United States	ANCHORAGE/ELMENDORF AFB, AK.	PAED
	COLD BAY, AK.	PACD
	FAIRBANKS INTERNATIONAL, AK.	PAFA
	FAIRBANKS/EIELSON AFB, AK.	PAEI
	HILO INTERNATIONAL, HILO HI.	PHTO
	HONOLULU INTERNATIONAL, OAHU, HI.	PHNL
	KAHULUI, HI.	PHOG
	KING SALMON, AK.	PAKN
	TED STEVENS ANCHORAGE INTERNATIONAL, AK.	PANC

2.2 The responsible US aerodrome meteorological offices route their OPMET to the Washington IROG/RODB (KWBC). The received OPMET is put into collectives/bulletins for transmission to the international community. These bulletins (FTUS25 KWBC, SAUS25 KWBC and SPUS25 KWBC) include locations in the APAC Air Navigation Plan Volume II Table MET II-2.

2.3 The current ROBEX handbook shows Washington IROG should be sending the data above to both Nadi and Tokyo IROGs. Further inspection shows that the US data is going to Nadi, but not the Tokyo IROG/RODB. The Washington IROG will work with the Tokyo IROG to add RJTDYZYX at a mutually agreeable time and date to address this deficiency.

2.4 Inclusion of these aerodromes listed above in the APAC ROBEX Handbook, and updated routing will facilitate monitoring of the TAF and METAR through OPMET monitoring activities of this group. A proposed update to the APAC ROBEX Handbook is provided in Appendix A to this paper. Note, it is proposed in this Appendix that the bulletins are provided to IROGs Tokyo and Nadi, for onward dissemination.

2.5 Appendix B contains the complete list of TAF/METAR locations in the SA/SP/FTUS25 KWBC bulletins described above, and may be of use for future updates to the ROBEX handbook and the APAC Air Navigation Plan Volume II Table MET II-2.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) include the proposed locations in the next update to the APAC ROBEX Handbook, as provided in Appendix A to this paper;
- c) review Appendix B for possible future additions to the tables above; and
- d) agree with the Tokyo IROG on appropriate routing.

MET SG/29
Appendix A to IP/28

Appendix A – Updates to APAC ROBEX Handbook Tables A and B

Table A : Collection and Dissemination of METAR (SA) Bulletins

1		2			3	4	5	
ROC		METAR Bulletin			Bul. Time	Available	DISSEMINATION TO	
Name	CCCC	BUL No.	CCCC	Aerodrome			RODB/ROC	AFTN Address
ASIA/PAC REGION								
...	...	...	...	...	...	...	...	...
Washington	KWBC	SAUS25 SPUS25	NSTU	PAGO PAGO INTL	H+00 or SPECI		NADI TOKYO	NFFNYPYX RJTDYPYX
			PKMJ	MARSHALL ISLANDS	H+00 or SPECI			
			PTPN	POHNPEI INTL	H+00 or SPECI			
			PTKK	CHUUK INTL	H+00 or SPECI			
			PTYA	YAP INTL	H+00 or SPECI			
			PGUA	ANDERSON AFB	H+00 or SPECI			
			PGSN	SAIPAN INTL	H+00 or SPECI			
			PGUM	GUAM INTL	H+00 or SPECI			
			PGRO	ROTA INTL	H+00 or SPECI			
			PTRO	BABELTHUAP ISLAND	H+00 or SPECI			
			PAED	ELMENDORF AFB	H+00 or SPECI			
			PACD	COLD BAY	H+00 or SPECI			
			PAFA	FAIRBANKS INTL	H+00 or SPECI			
			PAEI	EIELSON AFB	H+00 or SPECI			
			PHTO	HILO INTL	H+00 or SPECI			
			PHNL	HONOLULU INTL	H+00 or SPECI			
			PHOG	KAHULUI	H+00 or SPECI			
			PAKN	KING SALMON	H+00 or SPECI			
			PANC	TED STEVENS ANCHORAGE INTL	H+00 or SPECI			

MET SG/29
Appendix A to IP/28

Table B : Collection and Dissemination of TAF (FT) Bulletins

1		2						3	
ROC		TAF Bulletin						Dissemination	
Name	CCCC	BUL No.	CCCC	Aerodrome	Filing time	Start of validity	TAF validity	RODB/ROC	AFTN Address
		ASIA/PAC REGION							
...	...	...	...	...	...	...		...	...
Washington	KWBC	FTUS25	NSTU	PAGO PAGO INTL	0540 1140 1740 2340	0600 1200 1800 0000	24	NADI TOKYO	NFFNYPYX RJTDYPYX
			PKMJ	MARSHALL ISLANDS			24		
			PTPN	POHNPEI INTL			24		
			PTKK	CHUUK INTL			24		
			PTYA	YAP INTL			24		
			PGUA	ANDERSON AFB			24		
			PGSN	SAIPAN INTL			24		
			PGUM	GUAM INTL			30		
			PGRO	ROTA INTL			24		
			PTRO	BABELTHUAP ISLAND			24		
			PAED	ELMENDORF AFB			24		
			PACD	COLD BAY			24		
			PAFA	FAIRBANKS INTL			30		
			PAEI	EIELSON AFB			24		
			PHTO	HILO INTL			24		
			PHNL	HONOLULU INTL			30		
			PHOG	KAHULUI			24		
			PAKN	KING SALMON			24		
			PANC	TED STEVENS ANCHORAGE INTL			30		

MET SG/29
Appendix B to IP/28

Appendix B – The complete list of the airports in the SA/SP/FTUS25 KWBC collectives

<u>Airport ID</u>	<u>Lat</u>	<u>Lon</u>	<u>City</u>	<u>Airport Name</u>
PAAQ	61.5949	-149.0887	PALMER	PALMER MUNI
PABE	60.7786	-161.8372	BETHEL	BETHEL
PACD	55.2059	-162.7263	COLD BAY	COLD BAY
PACV	60.4918	-145.4776	CORDOVA	MERLE K (MUDHOLE) SMITH
PADL	59.0447	-158.5055	DILLINGHAM	DILLINGHAM
PADQ	57.7498	-152.494	KODIAK	KODIAK
PADU	53.8989	-166.545	UNALASKA	UNALASKA
PAEN	60.5733	-151.2449	KENAI	KENAI MUNI
PAGK	62.1543	-145.4553	GULKANA	GULKANA
PAHO	59.645	-151.4858	HOMER	HOMER
PAIL	59.7556	-154.9178	ILIAMNA	ILIAMNA
PAKN	58.6765	-156.6487	KING SALMON	KING SALMON
PANC	61.1741	-149.9982	ANCHORAGE	TED STEVENS ANCHORAGE INTL
PASD	55.3137	-160.5214	SAND POINT	SAND POINT
PASN	57.1663	-170.2226	SAINT PAUL ISLAND	SAINT PAUL ISLAND
PATK	62.3214	-150.0927	TALKEETNA	TALKEETNA
PAVD	61.1342	-146.2448	VALDEZ	VALDEZ PIONEER FIELD
PABR	71.2849	-156.7686	BARROW	WILEY POST-WILL ROGERS MEMORIAL
PABT	66.9139	-151.5291	BETTLES	BETTLES
PAFA	64.8151	-147.8565	FAIRBANKS	FAIRBANKS INTL
PAGA	64.7362	-156.9346	GALENA	EDWARD G PITKA SR
PAMC	62.9528	-155.6071	MC GRATH	MC GRATH
PAOM	64.5126	-165.4444	NOME	NOME

MET SG/29
Appendix B to IP/28

PAOR	62.9612	-141.9281	NORTHWAY	NORTHWAY
PAOT	66.8848	-162.5982	KOTZEBUE	RALPH WIEN MEMORIAL
PAQT	70.2098	-151.0065	NUIQSUT	NUIQSUT
PASC	70.1948	-148.4652	DEADHORSE	DEADHORSE
PATA	65.1744	-152.1081	TANANA	RALPH M CALHOUN MEMORIAL
PAUN	63.8885	-160.7991	UNALAKLEET	UNALAKLEET
PAGS	58.4253	-135.7074	GUSTAVUS	GUSTAVUS
PAGY	59.4602	-135.3169	SKAGWAY	SKAGWAY
PAHN	59.2438	-135.5236	HAINES	HAINES
PAJN	58.3547	-134.5785	JUNEAU	JUNEAU INTL
PAKT	55.3541	-131.7112	KETCHIKAN	KETCHIKAN INTL
PAKW	55.5792	-133.076	KLAWOCK	KLAWOCK AIRPORT
PAPG	56.8015	-132.9462	PETERSBURG	PETERSBURG JAMES A. JOHNSON
PASI	57.0468	-135.3611	SITKA	SITKA ROCKY GUTIERREZ
PAWG	56.4843	-132.3699	WRANGELL	WRANGELL
PAYA	59.5033	-139.6603	YAKUTAT	YAKUTAT
PGRO	14.1744	145.2411	ROTA ISLAND, CQ	BENJAMIN TAISACAN MANGLONA INTL
PGSN	15.1203	145.73	SAIPAN,CQ	FRANCISCO C ADA/SAIPAN INTL
PGUM	13.484	144.7971	GUAM, GQ	GUAM INTL
PGWT	14.9992	145.6193	TINIAN ISLAND, CQ	TINIAN INTL
PKMJ	7.065	171.272	MAJURO ATOLL, RM	MARSHALL ISLANDS INTL
PKWA	8.7201	167.7316	KWAJALEIN	KWAJALEIN
PTKK	7.4619	151.843	WENO ISLAND, FM	CHUUK INTL
PTPN	6.9851	158.2098	POHNPEI ISLAND, FM	POHNPEI INTL
PTRO	7.3673	134.5442	BABELTHUAP, KOROR, PS	BABELTHUAP/KOROR
PTSA	5.357	162.9584	KOSRAE, FM	KOSRAE
PTYA	9.4989	138.0825	YAP ISLAND, FM	YAP INTL

MET SG/29
Appendix B to IP/28

NSTU	-14.3317	-170.7115	PAGO PAGO	PAGO PAGO INTL
PHJH	20.9629	-156.673	LAHAINA	KAPALUA-WEST MAUI
PHJR	21.3074	-158.0703	KAPOLEI	KALAELOA (JOHN RODGERS FIELD)
PHKO	19.7388	-156.0456	KAILUA-KONA	KONA INTL AT KEAHOLE
PHLI	21.976	-159.339	LIHUE	LIHUE
PHMK	21.1529	-157.0963	KAUNAKAKAI	MOLOKAI
PHNL	21.3178	-157.9202	HONOLULU	HONOLULU INTL
PHNY	20.7856	-156.9514	LANAI CITY	LANAI
PHOG	20.8987	-156.4305	KAHULUI	KAHULUI
PHTO	19.7203	-155.0485	HILO	HILO INTL
PMDY	28.2015	-177.3813	MIDWAY ATOLL,MQ	HENDERSON FIELD