



*International Civil Aviation Organization*

**EIGHTEENTH MEETING OF THE METEOROLOGY  
SUB-GROUP (MET SG/18) OF APANPIRG**

ICAO Regional Sub-Office, Beijing, China  
18 – 21 August 2014

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**Agenda Item 7: Research, development and implementation issues in the MET field**

**7.5 Data exchange**

**IATA OPMET DATA MONITORING**

(Presented by IATA)

**SUMMARY**

This paper summarizes the results of an OPMET data monitoring for the ASIAPAC region focused on SADIS and WIFS.

**1. Introduction**

1.1 Since SADIS/WIFS becomes operational in the 90's both systems became to a more and more reliable source of weather data. Beside the distribution of WAFS products it is used for broadcasting OPMET data. Basis for the data distribution via SADIS is the SADIS User Guide and the Annex 1 to this guide. This guide is now identical to the FASID Table MET 2A.

1.2 FASID Table MET 2A is the basic list for OPMET data transmission.

1.3 SADIS/WIFS has the task to provide all necessary or requested weather data to aviation users so that SADIS can be considered as a single source of data for flight planning purposes.

1.4 SADIS/WIFS is a dedicated ICAO system, regulated and controlled under ICAO standards and recommended practices. It forms part of the Aeronautical Fixed Services (AFS) to ensure that aviation data are distributed without conflict and with the appropriate priority.

**2. Discussion**

2.1 Since the operational start of SADIS/WIFS many airlines are linked (directly or indirectly) to SADIS/WIFS as a primary and single source of weather data and products for aviation. Data like scheduled and non-scheduled OPMET data are depending on their availability and the user requirements.

2.2 The requirements for OPMET data described in FASID Table MET 2A have been revised several times over the last years. The current FASID Table MET 2A reflects the user requirements as well as the AOP table of the ICAO regions. The latest editions of the AOP tables are used.

2.3 The following table gives a brief overview about the current number of available AOP airports providing OPMET data on SADIS and/or WIFS from the ASIAPAC region. This statistic is based on information provided in FASID Table MET 2A dated April 2014 and on the result of IATA monitoring of the SADIS/WIFS broadcast over period of 9 weeks (ending at 01<sup>st</sup> of August 2014).

	All	SADIS	WIFS	DWD
Aerodromes listed in FASID Table MET 2A	312 (+18)	312 (+18)	312 (+18)	312 (+18)
AOP Aerodromes listed in FASID Table MET 2A	213 (+4)	213 (+4)	213 (+4)	213 (+4)
AOP Aerodromes providing SA	190 (+1)	190 (+5)	168 (-19)	189 (+4)
AOP Aerodromes providing FT	198 (+1)	195 (+1)	187 (-6)	198 (+5)
AOP Aerodromes providing additionally FC (this is not according ICAO Annex 3)	1 (VOBL)	0 (-1)	1 (VOBL)	0 (-1)
AOP Aerodromes providing non OPMET	5 (-4)	9 (-2)	25 (+12)	7 (-5)

2.4 The above table shows that 190 (89,2%) [189 (90,4%); 2010: 179 (87,3%); 2009: 132 (61,7%)] AOP aerodromes issue METAR (SA) and 198 (93,0) [197 (94,3%); 2010: 183 (89,3%); 2009: 184 (86,0%)] AOP aerodromes issue TAF (FT) as requested. All other AOP aerodromes do not meet the users requirements (10,8%, 7,0%). States are obliged to issue METAR and TAF for AOP aerodromes unless the state notifies ICAO that no OPMET data are issued for that certain AOP aerodrome. Further details are listed in Appendix 1 to this WP.

2.5 There still one AOP aerodrome in the ASIAPAC region for which FC and FT are issued and distributed on WIFS. This is not required and also not according ICAO Annex 3.

2.6 IATA is requesting some efforts by the group and states concerned to improve the availability of OPMET data for AOP aerodromes in the near future. The group may wish to formulate the following conclusion:

**Draft Conclusion 18/... — Improvement of OPMET data availability for AOP aerodromes**

That ICAO and the member states of the ASIAPAC region be invited to

- a) continue the efforts to improve the availability of OPMET data for AOP aerodromes, and
- b) try to achieve the aim of 95% availability (METAR and TAF) of all possible AOP aerodromes on SADIS broadcast as soon as possible, and
- c) remind states concerned that only one type of TAF is allowed to be issued and transmitted (IATA requires only FT)

2.7 Since more and more Non-AOP aerodromes are used internationally IATA has formulated following general requirement for OPMET data in its IATA METTF/14 meeting:

**IATA Position:**

**All OPMET data currently available should be distributed. This does not mean modifying the airport status in the AOP table**

2.8 Non-AOP Aerodromes are widely used as en-route alternates and for ETOPS operation. With regard to a safe flight operation OPMET data for these aerodromes are important and should be available to all airlines.

2.9 The following table gives a brief overview about the current number of available NON-AOP airports providing OPMET data on SADIS and/or WIFS from the ASIAPAC region. This statistic is based on information provided in FASID Table MET 2A dated April 2014 and on the result of IATA monitoring of the SADIS/WIFS broadcast over period of 9 weeks (ending at 01<sup>st</sup> of August 2014).

	All	SADIS	WIFS	DWD
Aerodromes listed in FASID Table MET 2A	312 (+18)	312 (+18)	312 (+18)	312 (+18)
Non-AOP Aerodromes listed in FASID Table MET 2A	99 (+14)	99 (+14)	99 (+14)	99 (+14)
Non-AOP Aerodromes providing SA	82 (+11)	82 (+12)	70 (+1)	82 (+9)
Non-AOP Aerodromes providing FT	95 (+13)	94 (+14)	80 (+2)	94 (+16)
Non-AOP Aerodromes providing additionally FC (this is not according ICAO Annex 3)	3 (AYMO, AYNZ, AYWK)	3 (AYMO, AYNZ, AYWK)	3 (AYMO, AYNZ, AYWK)	

2.10 The above table shows that 82 (82,8%) [2012: 71 (83,5,%); 2010: 99 (69,2,%); 2009: 84 (66,1%)] Non-AOP aerodromes issue METAR (SA) and 95 (96,0) [2012: 82 (96,5%); 2010: 99 (69,2%); 2009: 86 (67,7%)] Non-AOP aerodromes issue TAF (FT) as requested. All other AOP aerodromes do not meet the users requirements (17,2%, 4,0%). States are requested to issue and distribute METAR and TAF for Non-AOP aerodromes if available (details are listed in Appendix 2 to this WP).

2.11 There still 3 Non-AOP aerodromes in the ASIAPAC region for which FC and FT are issued and distributed on SADIS/WIFS. This is not required and also not according ICAO Annex 3.

2.12 IATA is requesting some efforts by the group and the states concerned to improve the availability of OPMET data for Non-AOP aerodromes in the near future. The group may wish to formulate the following conclusion:

**Draft Conclusion 18/.... — Improvement of OPMET data availability for Non-AOP aerodromes**

That ICAO and the member states of the ASIAPAC region be invited to

- a) continue the efforts to improve the availability of OPMET data for Non-AOP aerodromes listed in FASID Table MET 2A, and
- b) try to achieve the aim of 90% availability (METAR and TAF) of all listed Non-AOP aerodromes on SADIS broadcast as soon as possible, and
- c) remind states concerned that only one type of TAF is allowed to be issued and transmitted (IATA requires only FT)

2.13 There are additional aerodromes in the ASIAPAC region which not listed in the FASID Table MET 2A. The IATA monitoring shows that OPMET data were found on the SADIS and/or WIFS broadcast and/or were received through the German MET Service for some of these airports.

2.14 Non-AOP Aerodromes are widely used as en-route alternates, emergency airports and for ETOPS operation. With regard to a safe flight operation OPMET data for these aerodromes are important and should be available to all airlines.

2.15 The following table gives a brief overview about the current number of available NON-AOP airports providing OPMET data on SADIS and/or WIFS from the ASIAPAC region, but not listed in the FASID Table MET 2A. This statistic is based on information provided in FASID Table MET 2A dated April 2014 and on the result of IATA monitoring of the SADIS/WIFS broadcast over period of 9 weeks (ending at 01<sup>st</sup> of August 2014).

Aerodromes not listed in FASID Table MET 2A providing OPMET (SA and/or FT)	153
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2.16 The additional OPMET data are highly appreciated and if necessary IATA will request an update of FASID Table MET 2A for NON-AOP aerodromes through the SADISOPSG group.

**3. Action by the Meeting**

3.1 The group is invited

- a) to note the results of the IATA OPMET data monitoring and information provided;
- b) to use the result tables to improve the OPMET data exchange in general; and
- c) decide on the Draft Conclusions

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## Appendix 1

Loc Ind	SA/day	FC/day	FT/day	FASID	AOP	SA/SP	TAF	Service	Name	Country	ICAO region
AGGH	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. HONIARA_(HENDERSON)	Solomon_Islands	ASI
<b>ANYN</b>	~~~~~	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. <b>NAURU_AIRPORT</b>	<b>Nauru</b>	<b>PAC</b>
AYPY	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. PORT_MORESBY_INTL	Papua_New_Guinea	ASI
AYVN	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	_	F	. VANIMO	Papua_New_Guinea	ASI
NCRG	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. RAROTONGA_INTL.	Cook_Islands	PAC
NFFN	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. NADI/INTL	Fiji	PAC
NFNA	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. NAUSORI/INTL	Fiji	PAC
NFTF	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. FUA'AMOTU_INTL.	Tonga	PAC
NFTV	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. VAVA'U	Tonga	PAC
NGFU	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. FUNAFUTI/INTL	Tuvalu	PAC
<b>NGTA</b>	~~~~~	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. <b>TARAWA/BONRIKI_INTL</b>	<b>Kiribati</b>	<b>PAC</b>
NIUE	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. NIUE_INTL	Niue_(New_Zealand)	PAC
<b>NLWW</b>	~~~~~	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. <b>WALLIS_HIHIFO</b>	<b>Wallis_and_Futuna_Islands_(France)</b>	<b>PAC</b>
NSFA	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. FALEOLO/INTL	Samoa	PAC
NSTU	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. PAGO_PAGO_INTERNATIONAL,TUTUILA_I.	American_Samoa_(United_States)	PAC
NTAA	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. TAHITI_FAAA	French_Polynesia_(France)	PAC
<b>NVSS</b>	~~~~~	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. <b>SANTO/PEKOA</b>	<b>Vanuatu</b>	<b>ASI</b>
NVVV	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. PORT_VILA/BAUERFIELD	Vanuatu	ASI
NWWW	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. NOUMEA_LA_TONTOUTA	New_Caledonia_(France)	ASI
NZAA	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. AUCKLAND_INTL	New_Zealand	ASI
NZCH	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. CHRISTCHURCH_INTL	New_Zealand	ASI
NZWN	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. WELLINGTON_INTL	New_Zealand	ASI
OAKB	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. KABUL_INTERNATIONAL	Afghanistan	ASI
<b>OAKN</b>	~~~~~	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. <b>KANDAHAR</b>	<b>Afghanistan</b>	<b>ASI</b>
<b>OPGD</b>	~~~~~	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. <b>GWADAR/INTL.</b>	<b>Pakistan</b>	<b>ASI</b>
OPKC	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. KARACHI/JINNAH_INT'L	Pakistan	ASI
OPLA	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. LAHORE/ALLAMA_IQBAL_INT'L	Pakistan	ASI
OPNH	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. NAWABSHAH	Pakistan	ASI
OPPS	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. PESHAWAR/INTL.	Pakistan	ASI
OPRN	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. ISLAMABAD/BENAZIR_BHUTTO_INT'L	Pakistan	ASI
PGRO	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	P	. ROTA/INTL,ROTA_I.	Northern_Mariana_Islands_(United_States)	PAC
PGSN	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. FRANCISCO_C_ADA/SAIPAN_INTERNATIONAL,_OBYAN	Northern_Mariana_Islands_(United_States)	PAC
PGUA	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. ANDERSON_AFB,GUAM_ISLAND	Northern_Mariana_Islands_(United_States)	PAC
PGUM	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. GUAM_INTERNATIONAL,_GUAM_ISLAND	Northern_Mariana_Islands_(United_States)	PAC
PHNL	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. HONOLULU_INTERNATIONAL,_OAHU,_HI.	Hawaii_(United_States)	PAC
PHOG	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. KAHULUI,_HI.	Hawaii_(United_States)	PAC
PHTO	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. HILO_INTERNATIONAL,_HILO_HI.	Hawaii_(United_States)	PAC
PKMJ	YYY~Y~	~~~~~	YYYYYYY	. Y	Y	. Y	T	P	. MARSHALL_ISLANDS/INTL_MAJURO_ATOLL	Marshall_Islands	PAC
<b>PLCH</b>	~~~~~	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. <b>CHRISTMAS_ISLAND</b>	<b>Kiribati</b>	<b>PAC</b>
PTKK	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. WENO_ISLAND,_FM_CHUUK_INTL.	Micronesia_(Federated_States_of)	PAC
<b>PTPN</b>	YYYYYYY	~~~~~	~~~~~	. Y	Y	. Y	T	P	. <b>POHNPEI_INTL,POHNPEI_ISLAND</b>	<b>Micronesia_(Federated_States_of)</b>	<b>PAC</b>
PTRO	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. BABELTHUAP/KOROR,_BABELTHUAP_ISLAND	Palau	PAC
PTYA	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. YAP_INTL,YAP_ISLAND	Micronesia_(Federated_States_of)	PAC
RCKH	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. GAOXIONG	China	ASI
RCSS	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. TAIBEI/SONGSHAN	China	ASI
RCTP	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. TAIBEI_CITY/TAIBEI_INTL_AP	China	ASI
RJAA	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. NARITA_INTL	Japan	ASI
RJBB	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. KANSAI_INTL	Japan	ASI
RJCC	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. SAPPORO/NEW_CHITOSE	Japan	ASI
RJCH	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. HAKODATE	Japan	ASI
RJFF	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. FUKUOKA	Japan	ASI
RJFK	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. KAGOSHIMA	Japan	ASI
RJFO	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. OITA	Japan	ASI
RJFT	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. KUMAMOTO	Japan	ASI
RJFU	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. NAGASAKI	Japan	ASI
RJGG	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. CHUBU_CENTRAIR_INTL	Japan	ASI
RJOA	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. HIROSHIMA	Japan	ASI

RJOB	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. OKAYAMA	Japan	ASI
RJOO	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. OSAKA_INTL	Japan	ASI
RJOT	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. TAKAMATSU	Japan	ASI
RJSN	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. NIIGATA	Japan	ASI
RJSS	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. SENDAI	Japan	ASI
RJTT	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. TOKYO_INTL	Japan	ASI
RKJB	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. MUAN	Republic_of_Korea	ASI
RKNY	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. YANGYANG	Republic_of_Korea	ASI
RKPC	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. JEJU_INTL	Republic_of_Korea	ASI
RKPK	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. GIMHAE_INTL	Republic_of_Korea	ASI
RKSI	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. INCHEON_INTL	Republic_of_Korea	ASI
RKSS	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. GIMPO	Republic_of_Korea	ASI
RKTN	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. DAEGU_INTL	Republic_of_Korea	ASI
RKTU	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. CHEONGJU	Republic_of_Korea	ASI
ROAH	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. NAHA	Japan	ASI
RPLB	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	P	. SUBIC_BAY,SUBIC_BAY_INTL	Philippines	ASI
RPLI	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	P	. LAOAG,_LAOAG_INTL	Philippines	ASI
RPLL	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. MANILA/NINYOY_AQUINO_INTL	Philippines	ASI
RPMD	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	P	. DAVAO/FRANCISCO_BANGOY_INTL	Philippines	ASI
RPMZ	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	P	. ZAMBOANGA,_ZAMBOANGA_INTL	Philippines	ASI
RPVM	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. LAPU-LAPU/MACTAN_INTL	Philippines	ASI
VAAH	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. AHMEDABAD	India	ASI
VABB	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. MUMBAI	India	ASI
VANP	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. NAGPUR	India	ASI
VCBI	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. KATUNAYAKE/BANDARANAIKE_INTERNATIONAL_AIRPORT_COLOMBO	Sri_Lanka	ASI
<b>VCCH</b>	<b>~~~~~</b>	<b>~~~~~</b>	<b>~~~~~</b>	<b>. Y</b>	<b>Y</b>	<b>. Y</b>	<b>-</b>	<b>F</b>	<b>. HINGURAKGODA/MINNERIYA</b>	<b>Sri_Lanka</b>	<b>ASI</b>
VCRI	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. MATTALA/MATTALA_RAJAPAKSA_INTERNATIONAL_AIRPORT	Sri_Lanka	ASI
VDPP	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	P	. PHNOM_PENH	Cambodia	ASI
VDSR	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	P	. SIEM_REAP	Cambodia	ASI
VECC	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. KOLKATA	India	ASI
<b>VEGT</b>	<b>Y~YYYYY</b>	<b>~~~~~</b>	<b>Y~YYYYY</b>	<b>. Y</b>	<b>Y</b>	<b>. Y</b>	<b>T</b>	<b>F</b>	<b>. GUWAHATI</b>	<b>India</b>	<b>ASI</b>
VEGY	~~~~~	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. GAYA	India	ASI
VEPT	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. PATNA	India	ASI
VGEG	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. M.A._HANNAN_INTL._CHITTAGONG	Bangladesh	ASI
VHHH	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. HONG_KONG/INTERNATIONAL	Hong_Kong,_China_(China)	ASI
VIAR	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. AMRITSAR	India	ASI
VIBN	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. VARANASI	India	ASI
VIDP	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. DELHI_(IGI)	India	ASI
VIJP	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. JAIPUR	India	ASI
VILK	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. LUCKNOW	India	ASI
VLVT	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	P	. VIENTIANE(WATTAY)	Lao_People's_Democratic_Republic	ASI
VMMC	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. MACAO/INTL_AIRPORT	Macao,_China_(China)	ASI
VNKT	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. KATHMANDU	Nepal	ASI
<b>VOBL</b>	<b>YYYYYYY</b>	<b>YYYYYYY</b>	<b>YYYYYYY</b>	<b>. Y</b>	<b>Y</b>	<b>. Y</b>	<b>X</b>	<b>F</b>	<b>. BANGALORE_INTL._AIRPORT</b>	<b>India</b>	<b>ASI</b>
VOCB	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. COIMBATORE	India	ASI
VOCI	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. COCHIN_INTL.	India	ASI
VOCL	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. CALICUT	India	ASI
VOHS	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. HYDERABAD_INTL._AIRPORT	India	ASI
<b>VOML</b>	<b>Y~YYYYY</b>	<b>~~~~~</b>	<b>Y~YYYYY</b>	<b>. Y</b>	<b>Y</b>	<b>. Y</b>	<b>T</b>	<b>F</b>	<b>. MANGALORE</b>	<b>India</b>	<b>ASI</b>
VOMM	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. CHENNAI	India	ASI
VOTR	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. TIRUCHIRAPPALLI	India	ASI
VOTV	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. THIRUVANANTHAPURAM	India	ASI
<b>VQPR</b>	<b>YYYYYYY~</b>	<b>~~~~~</b>	<b>~~~~~</b>	<b>. Y</b>	<b>Y</b>	<b>. Y</b>	<b>-</b>	<b>F</b>	<b>. PARO/INTL</b>	<b>Bhutan</b>	<b>ASI</b>
<b>VRMG</b>	<b>~~~~~</b>	<b>~~~~~</b>	<b>~~~~~</b>	<b>. Y</b>	<b>Y</b>	<b>. Y</b>	<b>X</b>	<b>F</b>	<b>. GAN/GAN_INTERNATIONAL_AIRPORT</b>	<b>Maldives</b>	<b>ASI</b>
<b>VRMH</b>	<b>~~~~~</b>	<b>~~~~~</b>	<b>~~~~~</b>	<b>. Y</b>	<b>Y</b>	<b>. Y</b>	<b>X</b>	<b>F</b>	<b>. HANIMAADHOO</b>	<b>Maldives</b>	<b>ASI</b>
VRMM	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. IBRAHIM_NASIR_INTERNATIONAL_AIRPORT	Maldives	ASI
VTBD	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. BANGKOK/DON_MUEANG_INTL_AIRPORT	Thailand	ASI
VTBS	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. BANGKOK/SUVARNABHUMI_INTL_AIRPORT	Thailand	ASI

Appendix 1

VTBU	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. RAYONG/U-TAPAO_PATTAYA_INTL_AIRPORT	Thailand	ASI
VTCC	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. CHIANG_MAI/CHIANG_MAI_INTL_AIRPORT	Thailand	ASI
VTCT	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. CHIANG_RAI/MAE_FAH_LUANG-CHIANG_RAI_INTL_AIRPORT	Thailand	ASI
VTPP	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	P	. PHITSANULOK	Thailand	ASI
VTSB	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	P	. SURAT_THANI	Thailand	ASI
VTSG	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. KRABI	Thailand	ASI
VTSP	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. PHUKET/PHUKET_INTL_AIRPORT	Thailand	ASI
VTSS	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. SONGKHLA/HAT_YAI_INTL_AIRPORT	Thailand	ASI
VTUK	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	P	. KHON_KAEN	Thailand	ASI
VTUU	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. UBON_RATCHATHANI	Thailand	ASI
VVCR	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. CAM_RANH	Viet_Nam	ASI
VVCT	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. CAN_THO	Viet_Nam	ASI
VVDN	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. DA_NANG	Viet_Nam	ASI
VVNB	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. HA_NOI/NOI_BAI	Viet_Nam	ASI
VVPB	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. HUE/PHU_BAI	Viet_Nam	ASI
VVPQ	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. PHU_QUOC	Viet_Nam	ASI
VVTS	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. HO_CHI_MINH/TAN_SON_NHAT	Viet_Nam	ASI
VYYY	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. YANGON_INTERNATIONAL	Myanmar	ASI
WAAA	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. MAKASSAR/SULTAN_HASANUDDIN	Indonesia	ASI
<b>WABB</b>	~~~~~	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. <b>BIAK/FRANS_KAISIEPO</b>	<b>Indonesia</b>	<b>ASI</b>
WADD	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. BALI_INTL/NGURAH_RAI	Indonesia	ASI
<b>WAJJ</b>	~~~~~	~~~~~	~~~~~	. Y	Y	. Y	T	F	. <b>JAYAPURA/SENTANI</b>	<b>Indonesia</b>	<b>ASI</b>
<b>WAKK</b>	~~~~~	~~~~~	~~~~~	. Y	Y	. Y	T	P	. <b>MERAUKE/MOPAH</b>	<b>Indonesia</b>	<b>ASI</b>
WALL	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. BALIKPAPAN/SEPINGGAN	Indonesia	ASI
WALR	YYYYYY	~~~~~	Y~Y~YYY	. Y	Y	. Y	T	P	. TARAKAN/JUWATA	Indonesia	ASI
WAMM	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. MANADO/SAMRATULANGI	Indonesia	ASI
WAOO	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. BANJARMASIN/SYAMSUDIN_NOOR	Indonesia	ASI
<b>WAPP</b>	~~~~~	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. <b>AMBON/PATTIMURA</b>	<b>Indonesia</b>	<b>ASI</b>
WARR	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. SURABAYA/JUANDA	Indonesia	ASI
<b>WATT</b>	~~~~~	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. <b>KUPANG/EL-TARI</b>	<b>Indonesia</b>	<b>ASI</b>
WBGJ	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. KUCHING/INTL	Malaysia	ASI
WBKK	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. KOTA_KINABALU/INTL	Malaysia	ASI
WBSB	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. BRUNEI/INTL	Brunei_Darussalam	ASI
<b>WIBB</b>	~~~~~	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. <b>PEKANBARU/SULTAN_SYARIF_KASIM_II</b>	<b>Indonesia</b>	<b>ASI</b>
WIDD	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. BATAM/HANG_NADIM	Indonesia	ASI
WIDN	YYYYYY	~~~~~	~~~~~	. Y	Y	. Y	T	P	. TANJUNG_PINANG/RAJA_HAJI_FISABILILLAH	Indonesia	ASI
WIHH	~~~~~	~~~~~	YYYYYY	. Y	Y	. Y	T	P	. JAKARTA/HALIM_PERDANAKUSUMA	Indonesia	ASI
WIII	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. JAKARTA_INTL/SOEKARNO-HATTA	Indonesia	ASI
WIMM	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. MEDAN/KUALANAMU	Indonesia	ASI
<b>WIOO</b>	~~~~~	~~~~~	~~~~~	. Y	Y	. Y	T	F	. <b>PONTIANAK/SUPADIO</b>	<b>Indonesia</b>	<b>ASI</b>
WIPP	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. PALEMBANG/SULTAN_MAHMUD_BADARUDDIN_II	Indonesia	ASI
<b>WIPT</b>	~~~~~	~~~~~	~~~~~	. Y	Y	. Y	T	F	. <b>PANDANG/MINANGKABAU</b>	<b>Indonesia</b>	<b>ASI</b>
WMKJ	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. JOHOR_BAHRU/SULTAN_ISMAIL	Malaysia_(Peninsular)_(Malaysia)	ASI
WMKK	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. SEPANG/KL_INTERNATIONAL_AIRPORT	Malaysia_(Peninsular)_(Malaysia)	ASI
WMKL	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. PULAU_LANGKAWI/INTL	Malaysia_(Peninsular)_(Malaysia)	ASI
WMKP	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. PENANG/INTL	Malaysia_(Peninsular)_(Malaysia)	ASI
WSAP	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. PAYA_LEBAR_(RSAF)	Singapore	ASI
WSSL	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. SELETAR	Singapore	ASI
WSSS	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. SINGAPORE/CHANGI	Singapore	ASI
YBAS	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. ALICE_SPRINGS	Australia	ASI
YBBN	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. BRISBANE/BRISBANE_INTL	Australia	ASI
YBCS	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. CAIRNS/CAIRNS_INTL	Australia	ASI
YBRK	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. ROCKHAMPTON	Australia	ASI
YBTL	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. TOWNSVILLE/TOWNSVILLE_INTL	Australia	ASI
YMHB	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. HOBART	Australia	ASI
YMML	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. MELBOURNE/MELBOURNE_INTL	Australia	ASI
YPAD	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	X	F	. ADELAIDE/ADELAIDE_INTL	Australia	ASI
YPCC	YYYYYY	~~~~~	YYYYYY	. Y	Y	. Y	T	F	. COCOS_(KEELING)_ISLANDS_INTL	Australia	ASI



MET SG/18 - WP/17  
Appendix 1

YPDN	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. DARWIN/DARWIN_INTL	Australia	ASI
YPPD	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. PORT_HEDLAND	Australia	ASI
YPPH	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. PERTH/PERTH_INTL	Australia	ASI
YPTN	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. TINDAL	Australia	ASI
YPXM	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. CHRISTMAS_ISLAND	Australia	ASI
YSNF	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. NORFOLK_ISLAND	Australia	ASI
YSSY	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. SYDNEY/SYDNEY_(KINGSFORD_SMITH)_INTL	Australia	ASI
ZBAA	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. BEIJING/CAPITAL	China	ASI
ZBHH	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. HUHHOT/BAITA	China	ASI
ZBTJ	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. TIANJIN/BINHAI	China	ASI
ZBYN	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. TAIYUAN/WUSU	China	ASI
ZGGG	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. GUANGZHOU/BAIYUN	China	ASI
ZGHA	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. CHANGSHA/HUANGHUA	China	ASI
ZGKL	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. GUILIN/LIANGJIANG	China	ASI
ZGNN	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. NANNING/WUXU	China	ASI
ZGSZ	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. SHENZHEN/BAOAN	China	ASI
ZHHH	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. WUHAN/TIANHE	China	ASI
ZJSY	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. SANYA/PHOENIX	China	ASI
<b>ZKPY</b>	~~~~~	~~~~~	<b>YYYYYYY</b>	<b>. Y</b>	<b>Y</b>	<b>. Y</b>	<b>T</b>	<b>F</b>	<b>. SUNAN</b>	<b>Democratic_People's_Republic_of_Korea</b>	<b>ASI</b>
ZLLL	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. LANZHOU/ZHONGCHUAN	China	ASI
ZLXY	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. XI'AN/XIANYANG	China	ASI
ZMUB	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. ULAANBAATAR/CHINGGIS_KHAAN	Mongolia	ASI
ZPPP	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. KUNMING/CHANGSHUI	China	ASI
ZSAM	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. XIAMEN/GAOQI	China	ASI
ZSFZ	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. FUZHOU/CHANGLE	China	ASI
ZSHC	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. HANGZHOU/XIAOSHAN	China	ASI
<b>ZSJN</b>	<b>YYYYYYY</b>	~~~~~	<b>~~~~~</b>	<b>. Y</b>	<b>Y</b>	<b>. Y</b>	<b>T</b>	<b>F</b>	<b>. JINAN/YAOQIANG</b>	<b>China</b>	<b>ASI</b>
ZSNJ	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. NANJING/LUKOU	China	ASI
ZSOF	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. HEFEI/XINQIAO	China	ASI
ZSPD	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. SHANGHAI/PUDONG	China	ASI
ZSQD	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. QINGDAO/LIUTING	China	ASI
ZSSS	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. SHANGHAI/HONGQIAO	China	ASI
ZUCK	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. CHONGQING/JIANGBEI	China	ASI
ZUUU	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. CHENGDU/SHUANGLIU	China	ASI
<b>ZUXC</b>	~~~~~	~~~~~	<b>~~~~~</b>	<b>. Y</b>	<b>Y</b>	<b>. Y</b>	<b>_</b>	<b>F</b>	<b>. XICHANG/QUINGSHAN</b>	<b>China</b>	<b>ASI</b>
ZWSH	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. KASHI/KASHI	China	ASI
ZWWW	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	X	F	. URUMQI/DIWOPU	China	ASI
ZYHB	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. HARBIN/TAIPING	China	ASI
ZYTL	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. DALIAN/ZHOUSHUIZI	China	ASI
ZYTX	YYYYYYY	~~~~~	YYYYYYY	. Y	Y	. Y	T	F	. SHENYANG/TAOXIAN	China	ASI

Loc Ind	SA/day	FC/day	FT/day	FASID	AOP	SA/SP	TAF	Service	Name	Country	ICAO region
AYMH	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	C	F	. MOUNT_HAGEN	Papua_New_Guinea	ASI
AYMO	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	YYYYYYYY	. Y	N	. Y	C	F	. MOMOTE	Papua_New_Guinea	ASI
AYNZ	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	YYYYYYYY	. Y	N	. Y	C	F	. NADZAB	Papua_New_Guinea	ASI
AYWK	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	YYYYYYYY	. Y	N	. Y	-	F	. WEWAK	Papua_New_Guinea	ASI
OPDG	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	-	. D.G._KHAN_INT'L	Pakistan	ASI
OPMT	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	F	. MULTAN/INTL.	Pakistan	ASI
OPST	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	F	. SIALKOT_INTERNATIONAL_AIRPORT	Pakistan	ASI
PGWT	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	F	. WEST_TINIAN,TINIAN_ISLAND	Northern_Mariana_Islands_(United_States)	ASI
PHJH	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	F	. LAHAINA/KAPALUA-WEST_MAUI,_HI.	Hawaii_(United_States)	PAC
PHKO	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	F	. KONA/KEAHOE_KAILUA,HI.	Hawaii_(United_States)	PAC
PHLI	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	F	. LIHUE,_KAUAI,HI.	Hawaii_(United_States)	PAC
PHMK	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	F	. MOLOKAI,_KAUNAKAKAI,HI.	Hawaii_(United_States)	PAC
PHNY	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	F	. LANAI_CITY,_LANAI,HI.	Hawaii_(United_States)	PAC
PKWA	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	F	. KWAJALEIN_ATOLL/BUCHOLZ_AAF,_KIRIBATI	Marshall_Islands	PAC
PMDY	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	F	. MIDWAY_NAF_(HENDERSON_FIELD)_SAND_ISLAND	Midway_(United_States)	PAC
PTSA	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	~YYYYYYY	. Y	N	. Y	T	F	. KOSRAE,KOSRAE_ISLAND	Micronesia_(Federated_States_of)	PAC
PWAK	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	. Y	N	. Y	X	P	. WAKE_ISLAND_AIRFIELD,WAKE_I.	Wake_Island_(United_States)	PAC
RPLC	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	F	. PAMPANGA/DIOSDADO_MACAPAGAL_INTERNATIONAL_MABALACAT,_PAMPANGA	Philippines	ASI
RPML	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	. Y	N	. Y	T	P	. CAGAYAN_DE_ORO,_MIZAMIS_ORIENTAL	Philippines	ASI
RPMR	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. TAMBLER,GEN._SANTOS,SOUTH_COTABATO	Philippines	ASI
RPVD	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. DUMAGUETE/SIBULAN,_NEGROS_ORIENTAL	Philippines	ASI
RPVP	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. PUERTO_PRINCESA,_PALAWAN	Philippines	ASI
VLLB	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. LUANG_PRABANG	Lao_People's_Democratic_Republic	ASI
VLLN	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. LUANG_NAMTHA	Lao_People's_Democratic_Republic	ASI
VLPS	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. PAKSE	Lao_People's_Democratic_Republic	ASI
VLSK	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. SAVANNAKHET	Lao_People's_Democratic_Republic	ASI
VOHY	~YYYYYYY	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	. Y	N	. Y	X	P	. HYDERABAD	India	ASI
VTCH	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. MAE_HONG_SON	Thailand	ASI
VTCL	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. LAMPANG	Thailand	ASI
VTCN	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. NAN	Thailand	ASI
VTCP	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. PHRAE	Thailand	ASI
VTPB	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. PHETCHABUN	Thailand	ASI
VTPH	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. PRACHUAP_KHIRI_KHAN/HUA_HIN	Thailand	ASI
VTPM	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. TAK/MAE_SOT	Thailand	ASI
VTPO	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. SUKHOTHAI	Thailand	ASI
VTPT	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. TAK	Thailand	ASI
VTSC	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. NARATHIWAT	Thailand	ASI
VTSE	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. CHUMPHON/TAB_GAI	Thailand	ASI
VTSF	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. NAKHON_SI_THAMMARAT	Thailand	ASI
VTSH	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. SONGKHLA	Thailand	ASI
VTSK	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. PATTANI	Thailand	ASI
VTSM	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. SURA_TAHNI/SAMUI	Thailand	ASI
VTSR	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. RANONG	Thailand	ASI
VTST	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. TRANG	Thailand	ASI
VTUD	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. UDON_THANI	Thailand	ASI
VTUI	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. SAKON_NAKHON/BAN_KHAI	Thailand	ASI
VTUL	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. LOEI	Thailand	ASI
VTUO	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. BURI_RAM	Thailand	ASI
VTUQ	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. NAKHON_RATCHASIMA	Thailand	ASI
VTUV	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. ROI_ET	Thailand	ASI
VTUW	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. NAKHON_PHANOM	Thailand	ASI
VYMD	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. MANDALAY_INTERNATIONAL	Myanmar	ASI
WABP	~Y~Y~Y~Y~Y~Y~Y	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	P	. TIMIKA/MOSES_KILANGIN	Indonesia	ASI
WADL	YYYYYYYY	~Y~Y~Y~Y~Y~Y~Y	YYYYYYYY	. Y	N	. Y	T	F	. PRAYA/LOMBOK_INTERNATIONAL	Indonesia	ASI

WARJ	~~~~~	~~~~~	. Y	N	. Y	T	P	. YOGYAKARTA/ADI_SUTJIPTO	Indonesia	ASI
WARQ	YYYYYY	~~~~~	. Y	N	. Y	T	P	. SOLO/ADI_SUMARMO	Indonesia	ASI
WASS	~~~~~	~~~~~	. Y	N	. N	T	P	. SORONG/DOMINE_EDUARD_OSOK	Indonesia	ASI
WBGB	YYYYYY	~~~~~	. Y	N	. Y	T	F	. BINTULU	Malaysia	ASI
WBGR	YYYYYY	~~~~~	. Y	N	. Y	T	F	. MIRI	Malaysia	ASI
WBGS	YYYYYY	~~~~~	. Y	N	. Y	T	F	. SIBU	Malaysia	ASI
WBKL	YYYYYY	~~~~~	. Y	N	. Y	T	F	. LABUAN_(RMAF)	Malaysia	ASI
WBKS	YYYYYY	~~~~~	. Y	N	. Y	T	F	. SANDAKAN	Malaysia	ASI
WBKW	YYYYYY	~~~~~	. Y	N	. Y	T	F	. TAWAU	Malaysia	ASI
WMKA	YYYYYY	~~~~~	. Y	N	. Y	T	F	. ALOR_STAR/SULTAN_ABDUL_HALIM	Malaysia_(Peninsular)_(Malaysia)	ASI
WMKB	YYYYYY	~~~~~	. Y	N	. Y	T	F	. BUTTERWORTH_(RMAF)	Malaysia_(Peninsular)_(Malaysia)	ASI
WMKC	YYYYYY	~~~~~	. Y	N	. Y	T	F	. KOTA_BHARU/SULTAN_ISMAIL_PETRA	Malaysia_(Peninsular)_(Malaysia)	ASI
WMKD	YYYYYY	~~~~~	. Y	N	. Y	_	F	. KUANTAN	Malaysia_(Peninsular)_(Malaysia)	ASI
WMKE	YYYYYY	~~~~~	. Y	N	. Y	T	F	. KERTEH_(PETRONAS)	Malaysia_(Peninsular)_(Malaysia)	ASI
WMKI	YYYYYY	~~~~~	. Y	N	. Y	T	F	. IPOH/SULTAN_AZLAN_SHAH	Malaysia_(Peninsular)_(Malaysia)	ASI
WMKM	YYYYYY	~~~~~	. Y	N	. Y	_	F	. MALACCA	Malaysia_(Peninsular)_(Malaysia)	ASI
WMKN	YYYYYY	~~~~~	. Y	N	. Y	T	F	. KUALA_TERENGGANU/SULTAN_MAHMUD	Malaysia_(Peninsular)_(Malaysia)	ASI
WMSA	YYYYYY	~~~~~	. Y	N	. Y	T	F	. SUBANG/SULTAN_ABDUL_AZIZ_SHAH	Malaysia_(Peninsular)_(Malaysia)	ASI
YAMB	YYYYYY	~~~~~	. Y	N	. Y	T	F	. AMBERLEY	Australia	ASI
YBCG	YYYYYY	~~~~~	. Y	N	. Y	T	F	. GOLD_COAST	Australia	ASI
YBHM	YYYYYY	~~~~~	. Y	N	. Y	T	F	. HAMILTON_ISLAND	Australia	ASI
YBMA	YYYYYY	~~~~~	. Y	N	. Y	T	F	. MOUNT_ISA	Australia	ASI
YBRM	YYYYYY	~~~~~	. Y	N	. Y	T	F	. BROOME/BROOME_INTL	Australia	ASI
YCFS	YYYYYY	~~~~~	. Y	N	. Y	T	F	. COFFS_HARBOUR	Australia	ASI
YCIN	YYYYYY	~~~~~	. Y	N	. Y	T	F	. CURTIN	Australia	ASI
YFRT	YY~YYY	~~~~~	. Y	N	. Y	T	F	. FORREST	Australia	ASI
YGEL	YYYYYY	~~~~~	. Y	N	. Y	T	F	. GERALDTON	Australia	ASI
YHID	YYYYYY	~~~~~	. Y	N	. Y	T	F	. HORN_ISLAND	Australia	ASI
YMAV	YYYYYY	~~~~~	. Y	N	. Y	T	F	. AVALON	Australia	ASI
YMLT	YYYYYY	~~~~~	. Y	N	. Y	T	F	. LAUNCESTON	Australia	ASI
YPEA	YYYYYY	~~~~~	. Y	N	. Y	T	F	. PEARCE	Australia	ASI
YPGV	YYYYYY	~~~~~	. Y	N	. Y	T	F	. GOVE	Australia	ASI
YPJT	YYYYYY	~~~~~	. Y	N	. Y	T	F	. PERTH/JANDAKOT	Australia	ASI
YPKG	YYYYYY	~~~~~	. Y	N	. Y	T	F	. KALGOORLIE-BOULDER	Australia	ASI
YPKU	YYYYYY	~~~~~	. Y	N	. Y	T	F	. KUNUNURRA	Australia	ASI
YPLM	YYYYYY	~~~~~	. Y	N	. Y	T	F	. LEARMONTH	Australia	ASI
YPWR	YYYYYY	~~~~~	. Y	N	. Y	T	F	. WOOMERA	Australia	ASI
YSCB	YYYYYY	~~~~~	. Y	N	. Y	T	F	. CANBERRA	Australia	ASI
YSDU	YYYYYY	~~~~~	. Y	N	. Y	T	F	. DUBBO	Australia	ASI
YSRI	YYYYYY	~~~~~	. Y	N	. Y	T	F	. RICHMOND_(NSW)	Australia	ASI
YSTW	YYYYYY	~~~~~	. Y	N	. Y	T	F	. TAMWORTH	Australia	ASI
YWLM	YYYYYY	~~~~~	. Y	N	. Y	T	F	. WILLIAMTOWN	Australia	ASI
ZGOW	YYYYYY	~~~~~	. Y	N	. Y	T	F	. JIEYANG/CHAOSHAN	China	ASI
ZJHK	YYYYYY	~~~~~	. Y	N	. Y	X	F	. HAIKOU/MEILAN	China	ASI
ZYCC	YYYYYY	~~~~~	. Y	N	. Y	T	F	. CHANGCHUN/LONGJIA	China	ASI