

Table AOP 1

PHYSICAL CHARACTERISTICS, RADIO AND VISUAL AIDS AT AERODROMES

EXPLANATION OF THE TABLE

Table AOP 1 shows the operational requirements for physical characteristics, radio navigation aids, visual aids and runway visual range (RVR) at each aerodrome.

Columns 5 to 9 for physical characteristics relate to runways and taxiways. The physical characteristics of taxiways and aprons should be appropriate for the runways with which they are related.

Columns 4 and 10 to 13 show the requirements for air traffic services, radio and visual aids and reporting the RVR for the runway with which the entry is associated. These aids are generally indicated by an “X” and the “X” indicates that the aid should be in accordance with the type of runway (Column 7). If the aid is different from the type of runway, then a “1”, “2” or “3” is entered to indicate Category I, II or III respectively.

Column

- 1 Name of the city and aerodrome, preceded by the location indicator.

Note.— When the aerodrome is located on an island and no particular city or town is served by the aerodrome, the name of the island is included instead of a city.

Designation of the aerodrome as:

RS — international scheduled air transport, regular use;
 RNS — international non-scheduled air transport, regular use;
 AS — international scheduled air transport, alternate use; and
 ANS — international non-scheduled air transport, alternate use.

When an aerodrome is needed for more than one type of use, normally only the use highest on the above list is shown. An exception is that AS aerodromes are identified even when they are required for regular use by international non-scheduled air transport.

- 2 Alternate aerodromes for the regular aerodromes listed in Column 1, or if the aerodrome listed in Column 1 serves only as an alternate, the regular aerodromes for which it is an alternate. The aerodrome is shown by listing the name of the city, preceded by the location indicator.

- 3 Required rescue and fire fighting service (RFF). The required level of protection expressed by means of an aerodrome RFF category number, in accordance with Annex 14, Volume I, 9.2.

- 4 Air traffic services

APP — Approach control service should be provided (shown by an “X”) and when an “R” is shown, it indicates that the service should be provided with radar.

- TWR — Aerodrome control tower should be provided (shown by an “X”) and when an “R” is shown, it indicates that the service should be provided with an aerodrome surface movement radar.
- ATIS — Automatic terminal information service should be provided and shown by an “X”.
- AFIS — Aerodrome flight information service should be provided and shown by an “X”.
- 5 Runway designation numbers
- 6 Aerodrome reference code (RC) for aerodrome characteristics expressed in accordance with Annex 14, Volume I, Chapter 1.
- 7 Type of each of the runways to be provided. The types of runways, as defined in Annex 14, Volume I, Chapter 1, are:
- NINST — non-instrument runway;
NPA — non-precision approach runway;
PA1 — precision approach runway, Category I;
PA2 — precision approach runway, Category II;
PA3 — precision approach runway, Category III.
- 8 Taxiway (TWY) to be provided to threshold of associated runway.
- 9 Required runway length expressed in terms of a balanced field length. In planning, account is taken of local conditions. If the requirement for alternate use is more critical, the aircraft type and runway length required are also indicated below the abbreviation “AS”.

Critical aircraft for pavement strength and required pavement strength expressed as the all-up mass in thousands of kilograms. The operational mass of an aircraft, such as the B747 and MD11, which may have a bearing on the design of culverts, cable ducts, bridge overpasses, etc., is also shown. If the aircraft requiring the aerodrome for alternate use is more critical, the aircraft type and runway strength required are also indicated below the abbreviation “AS”.
- Note 1.— A specific aircraft model based on the best available sources of information should be selected for planning runway length as this requirement is particularly affected by aircraft model differences. Aircraft models should thus be reviewed carefully to see that the correct one is used in determining the aerodrome characteristics. The Air Navigation Commission has directed that RAN meetings provide in the plan as realistic figures as possible on runway length and pavement strength requirements at individual aerodromes.*
- Note 2.— Should a requirement for more than one runway be indicated for an aerodrome, the lengths of the secondary runways should be planned as appropriate. A specification concerning the lengths of such runways will be found in Annex 14, Volume I, Chapter 3, 3.1.7.*
- 10 Radio navigation aids (approach and landing);
- PAA — Precision Approach Aid, shown against the runway to be served and indicated by an “X” .
- NPA — Non Precision Approach Aid. An “X” indicates that the aid should be provided.
- T — Terminal Navigation Aid. An “X” indicates that one of the aids should be provided.

Note.— The appropriate radio navigation aid and the requirement of aligning DME with ILS/VOR are shown in this Table CNS 3.

- 11 Lighting aids
- PA — Precision approach lighting system, Category I, II or III shown by an “X” if the aid is the same category as the runway type (Column 7) or if it is different by the numeral 1, 2 or 3 against the runway to be served, to indicate the type of system required.
 - SA — Simple approach lighting system, shown by an “X” against the runway to be served.
 - VA — Visual approach slope indicator system, shown by an “L” or an “S” against the runway to be served. The letter “L” indicates that the system should be PAPI or T-VASIS (AT-VASIS) and the letter “S” indicates that the system should be PAPI (APAPI).
 - RWY — Runway edge, threshold and runway end lighting. An “X” indicates that these aids should be provided.
 - CLL — Runway centre line lighting, shown by an “X” against the runway to be served.
 - TDZ — Runway touchdown zone lighting, shown by an “X” against the runway to be served.
 - TE — Taxiway edge lighting. An “X” indicates that the aid should be provided. This requirement pertains to the entire aerodrome and only one entry is made when planning requirements for more than one runway are shown.
 - TC — Taxiway centre line lighting. An “X” indicates that this should be provided for the particular runway with which the entry is associated.
 - STB — Stop bars. An “X” indicates that stop bars should be provided for the runway with which the entry is associated.
 - B — Aerodrome or identification beacon. An “X” indicates that the aid should be provided. This requirement pertains to the entire aerodrome and only one entry is made.
- 12 Marking aids
- DES — Runway designation marking, shown by an “X” against the runway to be served.
 - CLM — Runway centre line marking. An “X” indicates that the aid should be provided.
 - THR — Runway threshold marking, shown by an “X” against the runway to be served.
 - TDZ — Runway touchdown zone marking, shown by an “X” against the runway to be served.
 - SST — Runway side stripe marking. An “X” indicates that the aid should be provided.
 - FXD — Fixed distance marking, shown by an “X” against the runway to be served.
 - TWY — Taxiway centre line and, where required, edge marking. An “X” indicates that the aid should be provided.
 - HLD — Taxiway holding position marking (renamed Runway holding position marking in Amendment No. 3 to Annex 14, Volume I), shown by an “X” against the runway to be served.

The pattern of the marking should conform to the provisions of Annex 14, Volume I, 5.2.9.

13 Runway visual range (RVR)

- TDZ — Observations should be provided representative of the touchdown zone.
- MID — Observations should be provided representative of the middle of the runway.
- END — Observations should be provided representative of the end portion of the runway.

City/Aerodrome/Designation		Alternate aerodromes		ATS				Physical characteristics					Radio aids			Lighting aids					Marking aids					RVR												
				RFF	APP	TWR	ATIS	AFIS	Rwy no.	RC	Rwy type	TWY	Runway length/ Pavement strength		PAA	NPA	T	PA	SA	VA	RWY	CLL	TDZ	TE	TC	STB	B	DES	CLM	THR	TDZ	SST	FXD	TWY	HLD	TDZ	MID	END
					1	2	3	4	5	6	7	8	9	10	11	12	13																					
YMHB	HOBART/Hobart	RNS	YPAD	Adelaide	7	X	X	X	12	4C	PA1	X	B727-200	2320	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
			YMML	Melbourne					30	NPA				83	X	X	X	X	L	L	X	X	X	X	X	X	X	X	X	X	X	X	X					
YMML	MELBOURNE/Melbourne Intl	RS	YPAD	Adelaide	9	R	X	X	16	4E	PA1	X	B747	3900	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
			YBBN	Brisbane					34	NPA	X			395	X	X	X	X	L	L	X	X	X	X	X	X	X	X	X	X	X	X	X					
			YSSY	Sydney					09	NPA	X			2290	X	X	X	X	L	L	X	X	X	X	X	X	X	X	X	X	X	X	X					
YSNF	NORFOLK I./Norfolk I.	RS	NZAA	Auckland	4				11	4C	NPA		B737	1950	X	X	X	X	L	X		X	X	X	X	X	X	X	X	X	X	X	X					
			NWWW	Noumea					29	NPA				50	X	X	X	X	L	X		X	X	X	X	X	X	X	X	X	X	X	X					
			YPAD	Adelaide					06	4E	NPA	X	B747	3300	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X						
YPPH	PERTH/Perth Intl	RS	YPDN	Darwin	9	R	X	X	24	PA1	X	366	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
			YPLM	Learmonth					03	4E	PA1	X	3440	X	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X							
			YPPD	Port Hedland					21	PA1	X	B747	395	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X							
YPPD	PORT HEDLAND/Port Hedland	RNS	YBRM	Broome	5				14	4C	NPA	X	B737	2700	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X						
			YPLM	Learmonth					32	NPA		53	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
			YPPH	Perth																																		
YBRK	ROCKHAMPTON/Rockhampton	AS	YBCS	Carins	6	X	X	X	15	4C	NPA	X	B737	1980	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
			YBTL	Townsville					33	NPA	X	83	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
YSSY	SYDNEY/Kingsford Smith Intl	RS	YPAD	Adelaide	9	R	X	X	16	4E	PA1	X	B747	3950	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X						
			YBAS	Alice Springs					34	PA1	X	395	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
			YBBN	Brisbane					07	4E	PA1	X	2530	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
			YSDU	Dubbo					25	PA1	X	B747	360	X	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X						
			YMML	Melbourne																																		
YPTN	TINDAL/Tindal	AS	YPDN	Darwin	7	R	X	X	14	4E	PA1	X	B747	2740	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
			YBTL	Townsville					32	NPA	X	268	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
YBTL	TOWNSVILLE/Townsville	RNS	YBBN	Brisbane	7	R	X	X	01	4E	PA1	X	B747-SP	2410	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X						
			YBCS	Cairns					19	NPA	X	281	X	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
			YPDN	Darwin																																		
			AYPY	Port Moresby									L1011	167																								
			YPTN	Tindal																																		
BANGLADESH																																						
VGEG	CHITTAGONG/Shah Amanat Intl	RS	VGHS	Dhaka	6	X	X		05	4C	NPA	X</td																										

City/Aerodrome/Designation		Alternate aerodromes		ATS				Physical characteristics					Radio aids			Lighting aids					Marking aids					RVR								
				RFF	APP	TWR	ATIS	AFIS	Rwy no.	RC	Rwy type	TWY	Runway length/ Pavement strength		PAA	NPA	T	PA	SA	VA	RWY	CLL	TDZ	TE	TC	STB	B	DES	CLM	THR	TDZ	SST	FXD	TWY
1	2	3	4		5	6	7	8	9	10	11	12	13																					
INDONESIA																																		
WAPP	AMBON/Pattimura	RNS	WAAA	Makassar	7	X	X	X	04	4C	PA1	NINST	B737	2500	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
					22				22		NIN			85		X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
WADD	BALI/Ngurah Rai	RS	WIHH	Jakarta	9	R	X	X	09	4E	NPA	X	B747	3000	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			WIII	Jakarta					27		PA1	X		397	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			WSSS	Singapore																														
			WARR	Surabaya																														
WALL	BALIKPAPAN/Sepinggan	RS	WAAA	Makassar	7	R	X	X	07	4D	NPA	X	B767	2500	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			WARR	Surabaya					25		PA1	X		163	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			WAOO	Banjarmasin																														
WAOO	BANJARMASIN/Syamsudin Noor	AS	WALL	Balikpapan	7	X	X	X	10	4C	PA1	NINST	B737	2500	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
					28				28		NIN			187		X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X		
WIDD	BATAM/Hang Nadim	RS	WIMM	Medan	9	X	X	X	04	4E	PA1	X	B747	4025	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			WIBB	Pekanbaru					22		NPA	X		397		X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	
			WSSS	Singapore																														
WABB	BAIK/Frans Kaisiepo	RS	WAJJ	Jayapura	7	R	X	X	11	4E	PA1	NINST	B747	3570	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			WAAA	Makassar					29		NIN			397		X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	
WIHH	JAKARTA/Halim Perdama Kusuma	RNS	WADD	Bali	9		X	X	06	4E	NPA	PA1	B747	3000	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			WIII	Jakarta					24		PA1			365	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			WSSS	Singapore																														
			WARR	Surabaya																														
WIII	JAKARTA/Soekarno Hatta	RS	WADD	Bali	9	R	X	X	07L	4E	PA1	X	B747	3600	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			WIHH	Jakarta					25R		PA1	X		397	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			WSSS	Singapore					07R	4E	PA1	X		3660	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			WARR	Surabaya					25L		PA1	X		397	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WAJJ	JAYAPURA/Sentani	RS	WABB	Biak	7	X	X		12	4C	NINST	PA1	B737	2500		X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	
			WABP	Timika					30		PA1			75	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WATT	KUPANG/EI Tari	RS	WADD	Bali	6		X	X	07	4D	NPA	NPA	B767	2500	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
					25						NPA			163	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
WAMM	MANADO/Sam Ratulangi	RS	WAAA	Makassar	7	X	X	X	18	4E	PA1	X	A330	2650	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
					36						PA1	230		X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
WIMM	MEDAN/Kualanamu	RS	WMKK	Sepang	9	R	X	X	05	4F	PA1	X	A380	3750	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			WMKP	Penang					23		PA1	X		571	X	X	X	X	L	X	X													

City/Aerodrome/Designation		Alternate aerodromes		ATS				Physical characteristics					Radio aids			Lighting aids					Marking aids					RVR												
				RFF	APP	TWR	ATIS	AFIS	Rwy no.	RC	Rwy type	TWY	Runway length/ Pavement strength		PAA	NPA	T	PA	SA	VA	RWY	CLL	TDZ	TE	TC	STB	B	DES	CLM	THR	TDZ	SST	FXD	TWY	HLD	TDZ	MID	END
					1	2	3	4	5	6	7	8	9	10	11	12	13																					
RJFO	OITA/Oita	RS	RJFF	Fukuoka	8	R	X	X	01	4E	PA1	X	B747-400	3000	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJOB	OKAYAMA/Okayama		RJFF	Fukuoka	9	R	X		07	4E	PA1	X		396	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJOB	OKAYAMA/Okayama		RJFO	Oita					25		NPA	X	B747-400	3000	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJOO	OSAKA/Osaka Intl		RJFF	Fukuoka	9	R	R	X	14R	4E	NPA	X		396	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJOO	OSAKA/Osaka Intl		RJCH	Hakodate					32L		PA1	X	B747-400	3000	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJFK	Kagoshima													396	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RKPK	Gimhae																																					
RJGG	Nagoya																																					
ROAH	Naha																																					
RJBB	Kansai																																					
RKSS	Gimpo																																					
RJAA	Narita																																					
RJTT	Tokyo																																					
RJCC	SAPPORO/New Chitose	RS	RJAA	Narita	9	R	R	X	01L	4E	PA1	X	B747-400	3000	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJCC	SAPPORO/New Chitose		RJCH	Hakodate					19R		PA1	X		396	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJCC	SAPPORO/New Chitose		RJSN	Niigata	01R				PA1				B747-400	3000	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJCC	SAPPORO/New Chitose		RJSN	Niigata	19L				NPA					396	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJSS	SENDAI/Sendai	RNS	RJSN	Niigata	09	R	X	X	09	4E	NPA	X	B747-400	3000	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
RJSS	SENDAI/Sendai		RJTT	Tokyo	27				27		PA1	X		396	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJOT	TAKAMATSU/Takamatsu	RS	RJBB	Kansai	08	R	X	X	08	4E	NPA	X	B747-400	2500	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
RJOT	TAKAMATSU/Takamatsu		RJOO	Osaka	26				26		PA1	X		396	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJAA	TOKYO/Narita Intl	RS	RJFF	Fukuoka	16R	R	R	X	16R	4E	PA3	X	A 380	4000	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
RJAA	TOKYO/Narita Intl		RJCH	Hakodate	34L				34L		4F	PA1		592	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJAA	TOKYO/Narita Intl		RJGG	Nagoya	16L				16L		4E	PA1	X	B777-300	2500	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
RJAA	TOKYO/Narita Intl		ROAH	Naha	34R				34R		PA1	X	300	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJAA	TOKYO/Narita Intl		RJSN	Niigata																																		
RJAA	TOKYO/Narita Intl		RJBB	Kansai																																		
RJAA	TOKYO/Narita Intl		RJOO	Osaka																																		
RJAA	TOKYO/Narita Intl		RJCC	Sapporo																																		
RJAA	TOKYO/Narita Intl		RCTP	Taibei City																																		
RJAA	TOKYO/Narita Intl		RJTT	Tokyo																																		
RJTT	TOKYO/Tokyo Intl	AS	RJSN	Niigata	16L	R	R	X	16L	4E	NPA	X	B747-400	3000	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
RJTT	TOKYO/Tokyo Intl		RJBB	Kansai	34R				34R		PA2	X																										

City/Aerodrome/Designation			Alternate aerodromes		ATS				Physical characteristics					Radio aids			Lighting aids					Marking aids					RVR																					
					RFF	APP	TWR	ATIS	AFIS	Rwy no.	RC	Rwy type	TWY	Runway length/ Pavement strength		PAA	NPA	T	PA	SA	VA	RWY	CLL	TDZ	TE	TC	STB	B	DES	CLM	THR	TDZ	SST	FXD	TWY	HLD	TDZ	MID	END									
1	2	3	4	5	6	7	8	9	10		11					12					13																											
OPRN	ISLAMABAD/Benazir Bhutto Intl RS	VIDP	Delhi	9	R	X	X		12	4E	NPA	X	B747	3600	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
		OPKC	Karachi			30			30	4C	PA2	X		365	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
		OPLA	Lahore			09			09		NINST	X		2500					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
		OPPS	Peshawar			27			27		NINST		B737	50					X					X			X	X	X	X	X	X	X	X	X	X	X	X										
		ZWWW	Urumqi																																													
OPKC	KARACHI/Jinnah Intl RS	VAAH	Ahmedabad	9	R	X	X		07L	4E	NPA	X	B747	3680	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
		VABB	Bombay			25R			25R	4E	PA2	X	B747	365	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
		VIDP	Delhi			07R			07R	3C	NPA	X		2300	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
		OPRN	Islamadab			25L			25L		NPA	X	FK27	20	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
		OPLA	Lahore																																													
		OOMS	Muscat																																													
		OPNH	Nawabshah																																													
OPLA	LAHORE/Allama Iqbal Intl RS	ZWWW	Urumqi																																													
		VIAR	Amritsar	9	R	X	X		18L	4E	NPA	X	B747	3450	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
		VIDP	Delhi			36R			36R	4E	PA2	X		345	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
		OPRN	Islamabad			18R			18R		NPA	X		2800	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
		OPKC	Karachi			36L			36L		NPA	X	EA30	150	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
OPNH	NAWABSHAH/Nawabshah AS	OPKC	Karachi	8		X			02	4E	PA1	X	B747	2740	X		X		L	X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
		OPLA	Lahore			20			20	4E	PA1	X		260	X		X		L	X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
OPPS	PESHAWAR/Peshawar RS	OPRN	Islamabad	7	X	X			17	4D	NPA	X		2750	X	X	X	X	L	X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
		OAKB	Kabul			35			35		NPA	X	EA30	155	X	X	X	X	L	X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
		OPLA	Lahore																																													
PALAU																																																
PTRO	BABELTHAUP I./Koror RS	PGUM	Guam I.	6			X			4C	NPA	X	B727	2195	X	X	X	X	L	X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
PAPUA NEW GUINEA																																																
AYPY	PORT MORESBY/Port Moresby RS	YBCS	Cairns	7	R	X	X		14L	4E	PA1	X		2750	X	X	X	X	L	X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
		YPDN	Darwin			32R			32R	4E	PA1	X	B747	333	X		X	X	L	X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
AYVN	VANIMO/Vanimo RS	WAJJ	Jayapura	5			X		13	3C	NINST			1650					L			</td																										

City/Aerodrome/Designation			Alternate aerodromes		ATS				Physical characteristics					Radio aids			Lighting aids					Marking aids					RVR									
					RFF	APP	TWR	ATIS	AFIS	Rwy no.	RC	Rwy type	TWY	Runway length/ Pavement strength		PAA	NPA	T	PA	SA	VA	RWY	CLL	TDZ	TE	TC	STB	B	DES	CLM	THR	TDZ	SST	FXD	TWY	HLD
1	2	3	4	5	6	7	8	9	10		11					12					13															
KPDX	PORTLAND/Portland Intl AS	KSEA Seattle			9	R	X	X		10R	4E	PA3	X	B747	3357	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
										28L		NPA	X		327				X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSMF	SACRAMENTO/Metropolitan AS	KSFO San Francisco			7	R	X	X		16R	4D	PA2	X	DC10	2621	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
										34L		NPA	X		154	X		X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSAN	SAN DIEGO/San Diego (AFSS) AS	KLAX Los Angeles			8	R	X	X		09	4E	PA1	X	B747	2865	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
										27		NPA	X		327				X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSFO	SAN FRANCISCO/San Francisco Intl RS	KFAT Fresno KLAS Las Vegas KLAX Los Angeles KOAK Oakland KONT Ontario KPMD Palmdale KSMF Sacramento KSCK Stockton			9	R	X	X		10R	4E	NINST	X	B747	3231				X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
										28L		PA1	X		322	X			X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
										01R	4D	NINST	X		2713				X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
										19L		PA1	X		322	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
										10L	4E	NINST	X		3618				X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
										28R		PA3	X		322	X		X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
										01L	4E	NINST	X		2134				X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
										19R		NINST	X		322				X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
KSJC	SAN JOSE/San Jose Intl RS	KOAK Oakland			7	R	X	X		12R	4D	PA1	X	DC10	2713	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
										30L		PA1	X		240	X		X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
KBFI	SEATTLE BOEING FIELD/King County Intl AS	KSEA Seattle			8	R	X	X		13R	4E	PA1	X	B747	3049	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
										31L		NPA	X		300				X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSEA	SEATTLE/Seattle-Tacoma Intl RS	KLAX Los Angeles KPDX Portland KSFO San Francisco KBFI Seattle Boeing Field KGEG Spokane CYVR Vancouver			9	R	X	X		16R	4E	PA3	X	B747	2873	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
										34L		PA1	X		365	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
										16L	4E	NPA	X		3628	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
										34R		PA1	X		374	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
KGEG	SPOKANE/Spokane Intl AS	KSEA Seattle			7	R	X	X		03	4E	PA1	X	B747	2743	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
										21		PA2	X		363	X		X	X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSCK	STOCKTON/Metropolitan AS	KLAX Los Angeles KSFO San Francisco			8	R	X	X		11L	4E	NINST	X	B747	2637				X	L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
										29R		PA1	X		295	X	X	X	X	L	X															

Note 1.— Outside ASIA/PAC. Indicated for coordination.