

Table CNS 4**SURVEILLANCE SYSTEMS**

EXPLANATION OF THE TABLE

Column

1	Name of country and location of the facility or FIR
2	Air Traffic Services Unit served by the facility
3	PSR – Primary Surveillance Radar
4	Coverage of Primary Surveillance Radar in nautical miles
5	SSR – Secondary Surveillance Radar and Modes implemented will be indicated within Brackets, namely Mode A, C & S
6	Coverage of Secondary Surveillance Radar and/or ADS-B in nautical miles
7	ADS-B Automatic Dependent Surveillance Broadcast
8	ADS-C Automatic Dependent Surveillance Contract
9	SMR – Surface Movement Radar
10	A-SMGCS – Advanced Surface Movement Guidance and Control System
11	PAR – Precision Approach Radar
12	Remarks

Note:

The following codes are used in columns 3, 5, 7, 8, 9, 10, 11 and 12

I - required and implemented

for column 5, I - stands for implementation using conventional SSR while

MI - stands for implementation using Monopulse SSR

X - required but not implemented status not determined

N - required but not implemented

A - existing facility provided to supplement or substitute the requirement

F - future Plan

< - year planned commissioning year to be used as appropriate in conjunction with 'F' & 'N'

> - year planned decommissioning year to be used as appropriate in conjunction with 'A' & 'F'

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
AUSTRALIA											
Hans Tableland	Cairns ACC Cairns APP Cairns TWR			MI(A/C)	250						
Redden Creek	CairnsACC Cairns APP Cairns TWR	I	50	MI(A/C)>08 MF(A/C/S)<08	250						
Tabletop	Brisbane ACC			MI(A/C)	250						
Swampy Ridge	Brisbane ACC			MI(A/C)	250						
Mount Alma	Brisbane ACC			MI(A/C)	250						
Mount Hardgrave	Brisbane ACC Coolangatta APP Coolangatta TWR			MI(A/C)	250						
Brisbane Airport	Brisbane APP Brisbane TWR	I	50	MI(A/C)>08 MF(A/C/S)<08	250						
Mount Sommerville	Coolangatta APP Coolangatta TWR	I	50	MI(A/C)>08 MF(A/C/S)<08	250						
Round Mountain	Brisbane ACC Sydney APP			MI(A/C)	250						
Mount Boyce	Melbourne ACC Sydney APP Brisbane ACC Melbourne ACC			MI(A/C)	250						
Sydney Airport	Sydney APP Sydney TWR	I	50	MI(A/C)>08 MF(A/C/S)<08	250			I			
Mount Majura	Canberra APP Canberra TWR	I	50	MI(A/C)>08 MF(A/C/S)<08	250						in Melbourne

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Mount Bobbara	Melbourne ACC (in Melbourne) Canberra APP Canberra TWR			MI(A/C)	250						
Mount Macedon	Melbourne ACC Melbourne APP Melbourne TWR			MI(A/C)	250						
Gellibrand Hill	Melbourne ACC Melbourne APP Melbourne TWR	I	50	MI(A/C)>08 MF(A/C/S)<08	250						
Summertown	Adelaide ACC Adelaide APP Adelaide TWR Melbourne ACC			MI(A/C)	250						
Adelaide Airport	Adelaide ACC Adelaide APP Adelaide TWR	I	50	MI(A/C)>08 MF(A/C/S)<08	250						
Kalamunda	Perth ACC Perth APP Perth TWR			MI(A/C)	250						
Perth Airport	Perth ACC Perth APP Perth TWR	I	50	MI(A/C)>08 MF(A/C/S)<08	250						
Darwin (military ATC facility)	Brisbane ACC			MI(A/C)	160						SSR data only
Tindal (military ATC facility)	Brisbane ACC			MI(A/C)	250						SSR data only
Oakey (military ATC facility)	Brisbane ACC			MI(A/C)	250						SSR data only
East sale (military ATC facility)	Melbourne ACC			MI(A/C)	250						SSR data only

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Darwin	Brisbane ACC			MF(A/C)	250						
Bundaberg	Brisbane ACC				250	F<2006					
Balgo Hill	Brisbane ACC				250	F<2006					
Caiguna	Melbourne ACC				250	F<2006					
Doongan	Brisbane ACC				250	F<2006					
Esperance	Melbourne ACC				250	F<2006					
Jackson	Brisbane ACC				250	F<2006					
Thursday Island	Brisbane ACC				250	F<2006					
Ayers Rock AP	Melbourne ACC				250	F<2006					
Birdsville	Melbourne ACC				250	F<2006					
Broken Hill	Melbourne ACC				250	F<2006					
Mornington Island	Brisbane ACC				250	F<2006					
West Gap (Alice Springs)	Brisbane ACC				250	F<2006					
Warburton	Melbourne ACC				250	F<2006					
Broome	Brisbane ACC				250	F<2006					
Leonora	Brisbane ACC				250	F<2006					
Longreach	Brisbane ACC				250	F<2006					
Telfer	Brisbane ACC				250	F<2006					
Meekatharra	Brisbane ACC				250	F<2006					
Mount Barrow	Melbourne ACC				250	F<2006					
Mount Isa (DCA Hill)	Brisbane ACC				250	F<2006					

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Newman	Brisbane ACC				250	F<2006					
Oodnadatta	Brisbane ACC				250	F<2006					
Tennant Creek	Brisbane ACC				250	F<2006					
Karratha	Brisbane ACC				250	F<2006					
Billabong	Melbourne ACC				250	F<2006					
Gove	Melbourne ACC				250	F<2006					
Mount Oxley	Melbourne ACC				250	F<2006					
Mount Rumney	Melbourne ACC				250	F<2006					Near Hobart in Tasmania
Nullabor	Melbourne ACC				250	F<2006					
Woomera	Melbourne ACC				250	F<2006					
Launceston Airport											F-WAM
Hobart Airport											F-WAM
BANGLADESH											
Dhaka	Dhaka APP			I(A/C)	200						
BHUTAN											
BRUNEI DARUSALAM											
Brunei Airport	Brunei APP	I	80	I(A/C)	250						
CAMBODIA											
CHINA											
Beijing-1	Beijing TWR Beijing APP Beijing ACC			MI(A/C)	200						Mode S when required

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Beijing-2	Beijing TWR Beijing APP Beijing ACC	I	60	MI(A/C)	200						
Beijing-3	Beijing TWR Beijing APP Beijing ACC	I	200	MI(A/C)	250						
Tianjin	Tianjin TWR			MI(A/C)	200						
Shijiazhuang	Shijiazhuang TWR Beijing ACC			MI(A/C)	200						
Taiyuan	Taiyuan TWR Taiyuan ACC	I	60	MI(A/C)	200						
Hohhot	Hohhot TWR, ACC			MI(A/C)	200						
Manbanshan	Hohhot ACC			MI(A/C)	200						
Sunite	Hohhot ACC			MI(A/C)	200						
Guangzhou-1	Guangzhou TWR Guangzhou APP Guangzhou ACC	I	60	MI(A/C)	200						
Guangzhou-2	Guangzhou TWR Guangzhou APP Guangzhou ACC	I	60	MI(A/C)	200						
Guangzhou-3	Guangzhou TWR Guangzhou APP Guangzhou ACC			MI(A/C)	200						
Shenzhen	Shenzhen TWR Guangzhou APP Guangzhou ACC	I	60	MI(A/C)	200						
Shaoguan	Guangzhou ACC			MI(A/C)	200						
Zhuhai	Zhuhai TWR Zhuhai APP Zhuhai ACC	I	60	MI(A/C)	200						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Sanya	Sanya TWR Sanya APP Sanya ACC	I	150	MI(A/C)	250						
Sanya-2	Sanya TWR,APP,ACC			MI(A/C)	250						
Haikou	Haikou TWR Haikou ACC	I	60	MI(A/C)	200						
Changsha	Changsha TWR Changsha ACC	I	60	MI(A/C)	200						
Changsha-2	Changsha TWR, ACC			MI(A/C)	200						
Enshi	Enshi TWR Wuhan ACC			MI(A/C)	200						
Wuhan	Wuhan TWR Wuhan ACC	I	60	MI(A/C)	200						
Wuhan-2	Wuhan TWR , ACC			MI(A/C)	200						
Zhengzhou-1	Zhengzhou TWR Zhengzhou ACC	I	60	I(A/C)	200						
Zhengzhou-2	Zhengzhou TWR Zhengzhou ACC	I	60	MI(A/C)	200						
Zhoukou	Zhengzhou ACC			MI(A/C)	200						
Guilin -1	Guilin TWR Guilin ACC			I(A/C)	200						
Guilin - 2	Guilin TWR Guilin ACC	I	60	MI(A/C)	200						
Nanning	Nanning TWR Nanning ACC			MI(A/C)	200						
Zhanjiang	Zhanjiang TWR Zhanjiang ACC			I (A/C)	200						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Shantou	Shantou TWR Shantou ACC	I	60	MI(A/C)	200						
Jieyang	Shantou TWR Shantou ACC			MI(A/C)	200						
Kunming	Kunming TWR Kunming ACC	I	60	I(A/C)	200		I				
Chengdu	Chengdu TWR Chengdu ACC	I	60	I(A/C)	200		I				
Guiyang - 1	Guiyang TWR Guiyang ACC			I(A/C)	200						
Guiyang - 2	Guiyang TWR Guiyang ACC	I	60	MI(A/C)	200						
Chongqing	Chongqing TWR Chongqing ACC	I	60	MI(A/C)	200						
Shanghai-1	Shanghai TWR Shanghai APP Shanghai ACC	I	60	MI(A/C)	200						
Shanghai-2	Shanghai TWR Shanghai APP Shanghai ACC	I	60	I(A/C)	200						
Jinan	Jinan TWR, ACC			MI(A/C)	200						
Jinan-2	Jinan TWR, ACC			MI(A/C)	200						
Qingdao	Qingdao TWR Qingdao ACC			MI(A/C)	200						
Hefei	Hefei TWR Hefei ACC	I	60	MI(A/C)	200						
Nanjing	Nanjing TWR Nanjing ACC	I	60	MI(A/C)	200						
Lianyungang	Lianyungang TWR Lianyungang ACC			MI(A/C)	200						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Xuzhou	Xuzhou TWR			MI(A/C)	200						
Hangzhou	Hangzhou TWR Hangzhou ACC	I	60	MI(A/C)	200						
Nanchang	Nanchang TWR Nanchang ACC	I	60	I(A/C)	200						
Nanchang-2	Nanchang TWR, ACC			I(A/C)	200						
Ganzhou	Nanchang ACC			MI(A/C)	200						
Shangrao	Nanchang ACC			MI(A/C)	200						
Fuzhou	Fuzhou TWR Fuzhou ACC	I	60	MI(A/C)	200						
Wenzhou	Wenzou TWR			MI(A/C)	200						
Xiamen	Xiamen TWR Xiamen ACC	I	60	MI(A/C)	200						
Xiamen	Xiamen TWR, ACC			MI(A/C)	200						
Shenyang	Shenyang TWR Shenyang ACC	I	60	MI(A/C)	200						
Shenyang-2	Shenyang TWR Shenyang ACC	I	60	MI(A/C)	200						
Dalian	Dalian TWR Dalian ACC	I	60	I(A/C)	200						
Dalian-2	Dalian TWR, ACC			MI(A/C)	200						
Harbin	Harbin TWR Harbin ACC	I	60	MI(A/C)	200						
Xi'an	Xi'an TWR Xi'an ACC	F<2000	60	I(A/C)	200						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Lanzhou	Lanzhou TWR Lanzhou ACC			MI(A/C)	200		I				
Urumqi	Urumqi TWR Urumqi ACC	I	60	MI(A/C)	200		I				
HONG KONG, CHINA											
Beacon Hill	Hong Kong ACC Hong Kong APP Hong Kong TWR			MI(A/C)	250	F<2008					
Mount Parker	Hong Kong ACC Hong Kong APP Hong Kong TWR	I	200	MI(A/C)	250						
Tai Mo Shan	Hong Kong ACC Hong Kong APP Hong Kong TWR	I	140	MI(A/C)	250						
Sha Chau	Hong Kong APP Hong Kong TWR	I	80	MI(A/C)	250						
Hong Kong Int'l Airport	Hong Kong APP Hong Kong ACC Hong Kong TWR					F<2008		I	I		PRM I in 2000
MACAO, CHINA											
Macao	Macao TWR			MI(A/C)	200						
COOK ISLANDS											
DPR KOREA											
Pyongyang	Pyongyang ACC Pyongyang APP Pyongyang TWR	I	60	MI(A/C) MI(A/C)	200 200					I	
FIJI						F<2006	I<2001				
FRENCH POLYNESIA											
	Tahiti ACC Tahiti APP			N<2008(A/C) N<2008(A/C)	250	F<2012	I				

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
INDIA											
Ahmadabad		I	60	MI	256						
Trivandrum		I	60	MI	256						
Hyderabad		I	60	MI	256						
Guwahati		I	60	MI	256						
Kolkata		I	60	MI	256		I				
Chennai		I	60	MI	256		I				
Delhi		I	60/220	MI	256		I				RSR=220NM
Mumbai		I	60/220	MI	256		I	F			"
Mangalore				MI	256						
Berhampur				MI	256						
Varanasi				MI	256						
Nagpur				MI	256						
INDONESIA											
Banda Aceh	Medan ACC Jakarta ACC			I(A/C)	240						
Medan	Medan APP Medan ACC Jakarta ACC	I	90	MI(A/C)	240						
Natuna	Jakarta ACC			I(A/C)	240						
Tanjung Pinang	Tanjung Pinang APP Jakarta ACC	I	90	I(A/C)	240						
Pontianak	Pontianak APP Jakarta ACC	I	90	I(A/C)	240						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Pekanbaru	Pekanbaru APP Medan ACC Jakarta ACC	I	90	I(A/C)	240						
Palembang	Palembang APP Jakarta ACC	I	90	MI(A/C)	240						
Jakarta/Cengkareng	Jakarta APP Jakarta ACC Jakarta FIR	I	90	I(A/C) MI(A/C)	240 240	F<2007	X				ADS-C Trial ADS-B Trial
Jakarta/Halim	Jakarta ACC			I(A/C)	240						
Semarang	Ujung Pandang ACC Jakarta ACC			I(A/C)	240						
Banjarmasin	Ujung Pandang ACC			I(A/C)	240						
Balikpapan	Balikpapan APP Ujung Pandang ACC	I	90	MI(A/C)	240						
Yogyakarta	Yogyakarta APP Ujung Pandang ACC Jakarta ACC	I	90	MI(A/C)	240						
Surabaya	Surabaya APP Ujung Pandang ACC Jakarta ACC	I	90	MI(A/C)	240						
Bali	Bali APP Ujung Pandang ACC	I	90	MI(A/C)	240						
Waingapu	Ujung Pandang ACC			I(A/C)	240						
Ujung Pandang	Ujung Pandang APP Ujung Pandang ACC Ujung Pandang FIR	I	90	I(A/C) I(A/C)	240 240	F<2007	X				ADS-C Trial ADS-B Trial
Manado	Ujung Pandang ACC			I(A/C)	240						
Ambon	Ujung Pandang ACC			I(A/C)	240						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Kendari	Ujung Pandang ACC			I(A/C)	240						
Biak	Biak APP Ujung Pandang ACC			I(A/C)	240						
Jayapura	Jayapura APP Jayapura ACC	F<2009		F<2009							
Kupang	Kupang APP kupang ACC	F<2009		F<2009							
Toli-Toli	Toli-Toli ACC			F<2009							
Tarakan	Tarakan			F<2009							
Batam	Batam APP Batam ACC			F<2009							
Sorong	Sorong ACC			F<2009							
JAPAN											
Narita Airport	Narita TWR					F<2009		I			
Haneda Airport	Haneda TWR							I			
Nagoya Airport	Nagoya TWR							I			
Osaka Airport	Osaka TWR							I			
Kansai Airport	Kansai TWR							I			
Naha Airport	Naha TWR Naha APP	I	60	I(A/C)	60			I			
Hakodate Airport	Hakodate APP	I	60	I(A/C)	60						
Sendai Airport	Sendai APP	I	60	I(A/C)	60						
Narita Airport - 1	Narita APP	I	60	I(A/C)	60						
Narita Airport - 2	Narita APP	I	60	I(A/C)	60						
Handeda Airport - 1	Tokyo APP	I	60	I(A/C)	60						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Handeda Airport - 2	Tokyo APP	I	60	I(A/C)	60						
Niigata Airport	Niigata APP	I	60	I(A/C)	60						
Nagoya Airport - 1	Nagoya APP	I	60	I(A/C)	60						
Nagoya Airport - 2	Nagoya APP	I	60	I(A/C)	60						
Chubu Airport - 1	Chubu APP	I	80	I(A/C)	80						
Chubu Airport - 2	Chubu APP	I	80	I(A/C)	80						
Osaka Airport - 1	Osaka APP	I	80	I(A/C)	80						
Osaka Airport - 2	Osaka APP	I	80	I(A/C)	80						
Kansai Airport - 1	Kansai APP	I	80	I(A/C)	80						
Kansai Airport - 2	Kansai APP	I	80	I(A/C)	80						
Hiroshima Airport	Hiroshima APP	I	60	I(A/C)	60						
Takamatsu Airport	Takamatsu APP	I	60	I(A/C)	60						
Kouchi Airport	Kouchi APP	I	60	I(A/C)	60						
Fukuoka Airport - 1	Fukuoka APP	I	60	I(A/C)	60						
Fukuoka Airport - 2	Fukuoka APP	I	60	I(A/C)	60						
Nagasaki Airport	Nagasaki APP	I	60	I(A/C)	60						
Oita Airport	Oita APP	I	60	I(A/C)	60						
Kumamoto Airport	Kumamoto APP	I	60	I(A/C)	60						
Miyazaki Airprot	Miyazaki APP	I	60	I(A/C)	60						
Kagoshima Airport - 1	Kagoshima APP	I	60	I(A/C)	60						
Kagoshima Airport - 2	Kagoshima APP	I	60	I(A/C)	60						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Naha Airport	Naha APP	I	60	I(A/C)	60						
Shimajiri Airport	Shimajiri APP	I	60	I(A/C)	60						
Kushiro	Sapporo ACC		200	I(A/C)	200						
Yokotsudake	Sapporo ACC	I	200	MI(A/C)	200						
Hachinohe	Sapporo ACC	I	200	I(A/C)	200						
Jobonzan	Sapporo ACC Tokyo ACC	I	200	I(A/C)	200						
Oginojo	Sapporo ACC Tokyo ACC	I	200	MI(A/C)	250						
Yamada	Tokyo ACC	I	200	I(A/C)	200						
Hakone	Tokyo ACC	I	200	I(A/C)	200						
Mikawa	Tokyo ACC	I	200	I(A/C)	200						
Mikuniyama	Tokyo ACC	I	200	I(A/C)	200						
Hirata	Tokyo ACC Fukuoka ACC	I	200	I(A/C)	200						
Imanoyama	Tokyo ACC Fukuoka ACC	I	200	I(A/C) MI(A/C)	200 F(250)						
Kaseda	Fukuoka ACC Naha ACC	I	200	I(A/C)	200						
Sangunzan	Fukuoka ACC	I	200	I(A/C)	200						
Amami	Fukuoka ACC Naha ACC	I	200	I(A/C) MI(A/C)	200 F(250)						
Miyakojima	Naha ACC	I	200	I(A/C)	200						
Yaedake	Naha ACC	I	200	I(A/C) MI(A/C)	200 F(250)						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Iwaki	Tokyo ACC			MI(A/C)	250						
Hachijo	Tokyo ACC			MI(A/C)	250						
Fukue	Fukuoka ACC			MI(A/C)	250						
Nihonkai	TBD			MI(A/C)	F(250)						
KIRIBATI											
LAO PDR											
Vientiane	Vientiane APP	I	80								
Vientiane	Vientiane ACC			MI(A/C)	250						
Savannakhet	Vientiane ACC			MI(A/C)	250						
Xieng Kuang	Vientiane ACC			MI(A/C/S)	250	F<2015					
MALAYSIA											
Langkawi	Langkawi APP Kuala Lumpur ACC	I	60	MI (A/C)	200						
Subang	Lumpur APP Kuala Lumpur ACC	I	60	MI (A/C)	200		F<2007				
Genting Highlands	Kuala Lumpur ACC			MI(A/C)	200						
Kulala Lumpur (KLIA)	Lumpur APP Kuala Lumpur ACC	I	60	MI(A/C)	200			I			
Johor	Johor Bharu APP Kuala Lumpur ACC	F<2007	60	MI(A/C)	200						
Kota Kinabalu	K. Kinabalu APP K. Kinabalu ACC	I	60	MI(A/C)	200						
Kuching	Kuching APP K. Kinabalu ACC	I	60	MI(A/C)	200						
Miri	Miri APP K. Kinabalu ACC Kuching ACC	I	60	MI (A/C)	200						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
MALDIVES											
MARSHALL ISLANDS											
MICRONESIA (FEDERATED STATE OF)											
MONGOLIA	Ulaanbaatar ACC Ulaanbaatar APP					<2008 <2008	I I				
MYANMAR	Yangon APP Yangon ACC			MI(A/C)	200						
Mandalay	Mandalay APP	I	60	MI(A/C)	200						
NAURU											
NEPAL	Kathmandu APP	I	60	I (A/C)	200						
NEW CALEDONIA	Tontouta ACC Tontouta APP					TBD TBD					
NEW ZEALAND	Christchurch ACC	I	80								
Auckland OCA	Auckland ACC						I				
Auckland TWR	Auckland TWR							F<2009			
Ballance	Christchurch ACC			I	250						
Cass Peak	Christchurch ACC			I/A/C/S	250						
Christchurch	Christchurch ACC	I	80								MDS Trial 2-8/06
Hawkins Hill	Christchurch ACC	I	80	I	250						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Mount Robertson	Christchurch ACC			I	250						Wide Area MDS planned for Queenstown in 2007
Queenstown	Christchurch ACC Queenstown TWR										
Ruao Tewhenua	Auckland ACC Christchurch ACC			I	250						
Teweraiti	Christchurch ACC			I	250						
PAKISTAN											
Karachi Airport	Karachi ACC Karachi APP Karachi TWR	I	89	MI(A/C)	200						
Pasni	Karachi ACC			MI(A/C)	200						
Lak Pass	Karachi ACC Lahore ACC			MI(A/C)	200						
Rojhan	Karachi ACC Lahore ACC			MI(A/C)	200						
Lahore Airport	Lahore ACC Lahore APP Lahore TWR	I	89	MI(A/C)	200						
Islamabad Airport	Lahore ACC Islamabad APP Islamabad TWR	I	89	MI(A/C)	200						
PAPUA NEW GUINEA											
Jacksons airport	Jacksons APP Moresby ACC	I	60	I(A/C)	200						
PHILIPPINES											
Manila	Manila APP	I	60	I(A/C)	90						
Tagaytay	Manila ACC	X	250	I(A/C)	250						
Mactan	Mactan APP	I	70	I(A/C)	70						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Subic Bay	Subic APP	I	70	I(A/C)	70						
Laoag	Manila ACC			MI(A/C)	250						
Mount Majic	Manila ACC			MI(A/C)	250						
REPUBLIC OF KOREA											
Jeju	Jeju TWR Jeju APP	I	60	I(A/C)	200			I			
Cheongju	CheongjuTWR										
Incheon-1	Incheon TWR Seoul APP, ACC	I	60	MI(A/C)	200	F<2008		I	I		
Incheon-2	Incheon TWR Seoul APP, ACC	I	60	MI(A/C)	200						
Yangyang	Yangyang TWR										
Gimhae	Gimhae TWR Gimhae APP	I	60	I(A/C)	200			I			
Daegu	Daegu APP	I	60	MI(A/C)	200						
Cheongju	Jungwon APP	I	60	MI(A/C)	200						
Gimpo	Gimpo TWR Gimpo APP, ACC	I	60	MI(A/C)	200			I I	F<2006		
SINGAPORE											
Singapore	Singapore ACC	I	220	MI(A/C)	250	F<2010	I				
	Singapore APP	I	70	MI(A/C)	200						
	Singapore TWR					F<2007		I			
	Singapore APP	I	70	MI(A/C)	200						
SOLOMON ISLANDS											

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
SRI LANKA											
Bandaranaike Airport	Colombo APP	I	90								
Mount Piduruthalagala	Colombo ACC			MI(A/C)	200	F<2010	I				ADS-C trial
THAILAND											
Bangkok	Bangkok APP Bangkok ACC Bangkok TWR	I	80	I(A/C) I(A/C)	250 250	F<2010					
Bangkok/ Suvarnabhumi AP	Bangkok APP Bangkok ACC Bangkok/SVB TWR	I	80	I(S)	250			I	I		A-SMGCSLevel2
Chiang Mai	Chiang Mai APP Bangkok ACC	I	60	I(A/C)	250						
Ubon	Bangkok ACC			I(A/C)	250						
Surat	Bangkok ACC Hat Yai APP Phuket APP			I(A/C)	200						
Hat Yai	Hat Yai APP	I	60								
Phuket	Phuket APP	I	60								
Bangkok	Bangkok TWR										
Phitsanulok	Phitsanulok APP	I	60								
Hua Hin	Hua Hin APP	I	60								
U Taphao	U Taphao			I(A/C)	200						
TONGA						F<2010					
UNITED STATES											
Alaska	ACC					2003	I<2006				
Hilo, Hawaii	ACC APP TWR	I	60	I(A/C)	200						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Honolulu, Hawaii	ACC APP TWR	I	60	I(S)							
Kahului, Hawaii	APP TWR	I	60	I(A/C)							
Kokee, Hawaii	ACC	I	200								
Lihue, Hawaii	APP TWR	I	60	I(A/C)							
Mount Kaala, Hawaii	ACC	I	200	I(A/C)							
Pahoa, Hawaii	ACC			I(A/C)							
Kunianiau, Hawaii	ACC			I(A/C)							
Guam	ACC	I	200	I(A/C)							
Mount Santa Rosa, Guam	APP TWR	I	60	I(A/C)							
Mount Santa Rosa, Guam	ACC	I									
Kona, Hawaii	ACC			F(A/C)	200						
Mount Kaala, Hawaii	ACC	F	250								
Mount Santa Rosa, Guam	ACC	F<2000	250	F(S)<2000	250						
VANUATU											
VIET NAM											
Hanoi/Noibai	Hanoi ACC Hanoi ACC	I	80	MI(A/C) MI (A/C)	200 250						
Danang/Sontra	Ho Chi Minh ACC Danang APP Ho Chi Minh ACC	I I	80 80	MI (A/C)	250						
Qui Nhon	Ho Chi Minh ACC Hanoi ACC			MI (A/C)	250						

Country/Location	ATS Units Served	PSR	Coverage of PSR (NM)	SSR(A/C/S)	Coverage of SSR/ADS-B (NM)	ADS-B	ADS-C	SMR	A-SMGCS	PAR	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
Ca Mau	Ho Chi Minh ACC			MI (A/C)	250						
Nghe An/Vinh	Hanoi ACC			MI (A/C)	250						
Tansan Nhat	Tansan Nhat APP Ho Chi Minh ACC	I	80	MI (A/C)	250						