

### WBSB AD 2.10 AERODROME OBSTACLES

<i>In approach/take off areas</i>			<i>In circling area and at AD</i>		<i>Remarks</i>
1			2		3
<i>Obstacle type</i>			<i>Obstacle type</i>		NIL
<i>Elevation</i>			<i>Elevation</i>		
<i>RWY/Area affected</i>	<i>Markings/LGT</i>	<i>Coordinates</i>	<i>Markings/LGT</i>	<i>Coordinates</i>	
<i>A</i>	<i>B</i>	<i>C</i>	<i>A</i>	<i>B</i>	
See Aerodrome Obstruction Chart - ICAO Type A					

### WBSB AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	<i>Associated MET Office</i>	WBSB / Brunei International
2	<i>Hours of service</i> <i>MET Office outside hours</i>	H24
3	<i>Office responsible for TAF preparation</i> <i>Periods of validity</i>	Meteorological Forecast Office H30
4	<i>Type of landing forecast interval of issuance</i>	TAF 0024: 0606: 1212: and 1818: Takeoff Forecast available for schedule flights and Unscheduled flights (on request only.)
5	<i>Briefing/Consultation provided</i>	Forecast, Briefing and Routed Area forecast
6	<i>Flight documentation Language (s) used</i>	English
7	<i>Charts and other information available for briefing or consultation</i>	Surface Chart: SIG Wx Chart: Upper wind Chart, Satellite weather pictures. NWP Chart
8	<i>Supplementary equipment available for providing information</i>	Doppler Radar/ Key Board Display System/ AWOS/AFTN
9	<i>ATS units provided with information</i>	DATIS freq 126.8Mhz
10	<i>Additional information (limitation of services, etc.)</i>	Forecaster available as from 2130UTC to 0600UTC

### WBSB AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR Coordinates	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
Rwy 03	031°M	3658 x 46	PCN70/F/C/W/T	N/A	THR - 6M
Rwy 21	211°M	3658 x 46	Flexible Paving		THR - 22M
Slope off RWY - SWY	SWY Dimensions (M)	CWY Dimensions (M)	Strip Dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
Rwy 03 Rwy 21	N/A	335 304	3779 x 300	Nil	Nil

### WBSB AD 2.13 DECLARED DISTANCES

<i>RWY Designator</i>	<i>TORA (M)</i>	<i>TODA (M)</i>	<i>ASDA (M)</i>	<i>LDA (M)</i>	<i>Remarks</i>
1	2	3	4	5	6
RWY 21	3658	3962	3658	3658	Nil
RWY 03	3658	3993	3658	3658	Nil

### WBSB AD 2.14 APPROACH AND RUNWAY LIGHTING

Rwy Designator	APCH LGT Type LEN INST	THR LGT Colour of W-Bar	VASIS (MEHT) PAPI	TDZ LGT LEN
1	2	3	4	5
03	Distance Coded Variable High and Low Intensity Lights	6 Bi-directional flush green lights	PAPI – Lowest Approach (Two Whites, Two reds) Mean Eye Height above THR – 59ft	NIL
21	Calvert Variable High and Low Intensity Lights	6 Bi-directional, 10 Uni-directional flush green lights. 5 Elevated Wing bars, green each side	PAPI – Lowest Approach (Two Whites, Two Reds) Mean Eye Height above THR – 61ft  The designations of PAPI units should read starting from extreme left to right as follows: Left A,B,C,D and Right E,F,G,H for both Runways	NIL
Rwy Centre- line Lgt Length, spacing colour INTST	RWY edge LGT LEN, spacing colour INTST	RWY End LGT colour INTST W/BAR	SWY LGT LEN(M) colour	Remarks
6	7	8	9	10
–	Elevated Omni- directional vrb instst lights Y filter on last 610m(2000ft) either end	Red Elevated stop way lights	Red uni-directional at end of stop way	Nil

### WBSB AD 2.15 OTHER LIGHTING,SECONDARY POWER SUPPLY

1	ABN/IBN location, Characteristics and hours of operation	ABN is located at position 045655N 1145557E (Eastern side of aerodrome) ABN Occur White & Green every 3 seconds on eastern side of aerodrome HN
2	LDI location and LGT Anemometer location and LGT	Nil
3	TWY edge and centre line lighting	Edge: Elevated Blue Lights Centreline: Embedded Green Lights
4	Secondary power supply/switch-over time	Automatic standby diesel generators for all airfield lights, TWR equipment, Communication, Radar, Nav aids & Terminal
5	Remarks	Nil

## WBSB AD 2.16 HELICOPTER LANDING AREA

Normally helicopter is cleared on the runway and taxi to apron. Local based helicopters may be cleared to land directly on the grass-strip of the airfield.

## WBSB AD 2.17 ATS AIRSPACE

1	<i>Designation and lateral limits</i>	<b>BRUNEI CTR</b> – An Area contained within arc of a circle 17NM radius centred on Brunei ARP (045639.128N 1145542.071E) from 051441.6565N 1145544.7637E clockwise to 050741.17208N 1150841.6410E thence a straight line to 043756.8886N 1144941.8019E thence arc of a circle 20NM from Brunei ARP (045638.9408N 1145542.9648E) to 044621.8458N 1143901.8992E thence straight line to 051441.6868N 1145511.7637E
2	<i>Vertical limits</i>	ASL – AGL TO 3500FT
3	<i>Airspace classification</i>	C
4	<i>ATS unit call sign Language(s)</i>	Brunei APC & Tower ENGLISH
5	<i>Transition altitude</i>	11000FT
6	<i>Remarks</i>	Nil
1	<i>Designation and lateral limits</i>	<b>BRUNEI TMA</b> - An area contained within an arc of a circle 50NM radius on 'BRU' DVOR/DME (045230.2029N 1145254.4374E) clockwise from 041656.9929N 1152911.4439E to 050556.7505N 1140332.2203E thence a straight line to 051256.6976N 1145051.8017E thence a minor arc of a circle radius 17NM centred on BRUNEI ARP (045639.128N 1145542.071E) clockwise to 045216.8040N 1151211.6052 thence a straight line to 042156.9640N 1153511.3915E thence a straight line to 041656.9929N 1152911.4439E.
2	<i>Vertical limits</i>	<u>FL145</u> 3000ft
3	<i>Airspace classification</i>	B and C
4	<i>ATS unit call sign Language(s)</i>	Brunei APC ENGLISH
5	<i>Transition altitude</i>	11000FT
6	<i>Remarks</i>	Nil

## WBSB AD 2.18 ATS COMMUNICATION FACILITIES

<i>Service Designation</i>	<i>Call sign</i>	<i>Frequency</i>	<i>Hours of operations</i>	<i>Remarks</i>
1	2	3	4	5
APP	BRUNEI RADAR	121.3MHz 127.1 MHz 121.5 MHz 125.2MHz 123.1MHz 130.5MHz 128.0MHz	H24	Procedural App Freq App Radar Freq Emergency Freq Traffic Director SAR Utility Area
TWR	BRUNEI TWR	118.7MHz 121.9MHz	H24	Aerodrome Controller GMC
DATIS		126.8MHZ	H24	Range 100nm Power 50 watts

## WBSB AD 2.19 RADIO NAVIGATION AND LANDING AIDS

<i>Type of aid, CAT OF ILS/MLS (For VR/ILS/MLS, give VAR)</i>	<i>ID</i>	<i>Frequency</i>	<i>Hours of operation</i>	<i>Site of Transmitting Antenna Coordinates</i>	<i>Elevation of DME transmitting antenna</i>	<i>Maintenance Period</i>
1	2	3	4	5	6	7
DVOR/DME	BRU	112.0Mhz CH57X	H24	045230.2029N 1145254.4374E	-	Wednesday 0000-0400UTC
ILS/LLZ RWY21	BI	109.7Mhz	H24	045535.884N 1145504.061E	-	Tuesday 0000-0400UTC Co-located with ILS/GP RWY21
ILS/DME RWY21	BI	CH34X	H24	045722.659N 1145602.642E	-	Tuesday 0000-0400UTC
ILS/GP RWY21		333.2Mhz	H24	045722.658N 1145602.655E	-	Tuesday 0000-0400UTC
ILS/LLZ RWY03	BE	108.9Mhz	H24	045737.171N 1145616.959E	-	Tuesday 0000-0400UTC
ILS/DME RWY03	BE	CH26X	H24	045558.494N 1145512.703E	-	Tuesday 0000-0400UTC Co-located with ILS/GP RWY03
ILS/GP RWY03		329.3Mhz	H24	045558.479N 1145512.713E	-	Tuesday 0000-0400UTC
NDB	BR	318Khz	H24	045400.1933N 1145350.3445E	-	Thursday 0000-0400UTC