

AREA CHART - ICAO



LEGEND											
Terminal Control Area (TMA)	<table border="1"> <tr> <td>Name of TMA</td> <td>TMA</td> </tr> <tr> <td>Airspace Classification</td> <td>JOHOR</td> </tr> <tr> <td>Upper Limit</td> <td>FL 145</td> </tr> <tr> <td>Lower Limit</td> <td>5 000</td> </tr> <tr> <td>Radio frequency(s)</td> <td>124.7</td> </tr> </table>	Name of TMA	TMA	Airspace Classification	JOHOR	Upper Limit	FL 145	Lower Limit	5 000	Radio frequency(s)	124.7
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Control Zone (CTR)	<table border="1"> <tr> <td>Name of CTR</td> <td>CHANGI</td> </tr> <tr> <td>Airspace Classification</td> <td>3 000</td> </tr> <tr> <td>Upper Limit</td> <td>3 000</td> </tr> <tr> <td>Radio frequency(s)</td> <td>118.6</td> </tr> </table>	Name of CTR	CHANGI	Airspace Classification	3 000	Upper Limit	3 000	Radio frequency(s)	118.6		
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Aerodrome Traffic Zone (ATZ)	<table border="1"> <tr> <td>Name of ATZ</td> <td>TENGAH</td> </tr> <tr> <td>Airspace Classification</td> <td>3 000</td> </tr> <tr> <td>Upper Limit</td> <td>3 000</td> </tr> <tr> <td>Radio frequency(s)</td> <td>122.0</td> </tr> </table>	Name of ATZ	TENGAH	Airspace Classification	3 000	Upper Limit	3 000	Radio frequency(s)	122.0		
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ATS Routes	<table border="1"> <tr> <td>Route designation</td> <td>B489</td> </tr> <tr> <td>Distance in nautical miles</td> <td>1 000</td> </tr> <tr> <td>Minimum flight altitude (F) / flight level</td> <td>FL 160</td> </tr> <tr> <td>Lower limit (L) / flight level</td> <td>(4 000) / FL 160</td> </tr> </table>	Route designation	B489	Distance in nautical miles	1 000	Minimum flight altitude (F) / flight level	FL 160	Lower limit (L) / flight level	(4 000) / FL 160		
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Reporting Point	<table border="1"> <tr> <td>Com junction</td> <td>▲</td> </tr> </table>	Com junction	▲								
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DME distance from SJ Navaid	D35/SJ										
Radio Navigation Aid	<table border="1"> <tr> <td>Name</td> <td>CHANGI</td> </tr> <tr> <td>Identifier and frequency</td> <td>CHANGI 118.1</td> </tr> <tr> <td>Geographical Coordinates</td> <td>01°13.2'N</td> </tr> <tr> <td>Elevation of DME site</td> <td>68' MSL</td> </tr> </table>	Name	CHANGI	Identifier and frequency	CHANGI 118.1	Geographical Coordinates	01°13.2'N	Elevation of DME site	68' MSL		
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Collocated VOR and DME Radio Navigation Aids	<table border="1"> <tr> <td>Compass rose orientated on the chart by Magnetic North</td> <td>☉</td> </tr> </table>	Compass rose orientated on the chart by Magnetic North	☉								
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Restricted Airspace (P - Prohibited, R - Restricted, D - Danger)	<table border="1"> <tr> <td>Identification of area</td> <td>WSD13</td> </tr> <tr> <td>Nationality letter</td> <td>W</td> </tr> <tr> <td>Vertical limit</td> <td>122.0</td> </tr> <tr> <td>Activation by NOTAM</td> <td>NOTAM</td> </tr> </table>	Identification of area	WSD13	Nationality letter	W	Vertical limit	122.0	Activation by NOTAM	NOTAM		
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Area Minimum Altitude (AMA)	<p>Each quadrilateral contains an area minimum altitude (AMA) which represents the lowest altitude which may be used under instrument meteorological conditions (IMC). The AMA provides a minimum clearance of 1 000 feet (300) above all terrain and obstacles in the quadrilateral. It is represented in the usage and hundreds of feet above mean sea level.</p> <p>Example: 3 400 feet 34</p>										

Speed Control Procedures	
Speed control procedures are in force unless notified otherwise by ATC or ATR.	
All arriving turbo-propeller and turbo-jet aircraft are to fly as not faster than indicated air speed 250 knots when within 40nm from Singapore Changi Airport or when at or below 10,000ft except all arriving aircraft into Singapore Changi Airport shall comply with the speed restrictions as detailed on the transitions and RNAV STARs. Further speed reductions will be regulated by ATC as necessary.	
Pilots who may not be able to comply with the speed limits specified above for reasons of flight safety and/or weather should inform ATC and state the speed(s) achievable.	

AIRSPACE CLASSIFICATION IN THE SINGAPORE FIR		
Airspace	Levels	Classification
Controlled airspace	FL150 to FL60	A
	Surface to FL150	B
Controlled airspace more than 100 nm seaward from the shoreline	Lower limit to FL60	A
		D
Control Zone (CTR)	Changi CTR	C
	Paya Lebar CTR	D
ATZs	Surface upper limit	C
	Surface upper limit	D
Uncontrolled airspace		G*

* Aircraft operating in the Light Aircraft Training Areas A, B and C (please refer to p.19 of ENR 3-2-1) are required to have continuous two-way communications with the appropriate ATS authority.

SINGAPORE DATS DEF	
APP	DEF 128025
APP	DEF 1203
TWR	APP 1193
TWR	APP 12405
TWR	1186
TWR	11825

Note:
FOR DEPARTURE AND ARRIVAL ROUTES REFER TO AD-2-WSS3-SD-1 TO AD-2-WSS3-SD-64 AND AD-2-WSS3-STAR-1 TO AD-2-WSS3-STAR-19

