



SINGAPOREAN NOTICES TO MARINERS

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The supplementary Singaporean Notices to Mariners contains corrective information affecting charts published by the Hydrographic Division, Maritime and Port Authority of Singapore. The information contained in these Notices should be updated on the charts affected.

The supplementary Singaporean Notices to Mariners can be accessed directly from the MPA website:

<http://www.mpa.gov.sg/web/portal/home/port-of-singapore/circulars-and-notices/singapore-notices-to-mariners-ntm>

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TEMPORARY AND PRELIMINARY NOTICES

(NM 53T/2019) : **JOINT HYDROGRAPHIC SURVEY IN STRAITS OF MALACCA AND SINGAPORE**

Purpose : Hydrographic survey will be carried out in the Straits, in order to improve safe navigation and smooth uninterrupted passage in the Traffic Separation Scheme (TSS) of the Straits of Malacca and Singapore (STRAITREP Sector 6 to 9)

Overall Survey : Period : From 23rd April to 5th August 2019 and Daylight hours only

Survey vessel : SSE MAZU (YDB3013)

Operation : The hydrographic survey will be carried out by means of multi-beam echo sounder with line spacing of around 100m at 5 to 8 knots within the TSS, and no towing-vehicle will be towed behind.
This hydrographic survey will be implemented with reciprocal operation even in eastward course or westward course in the TSS.

Survey areas : The survey in the Straits will be conducted in stages according to the survey planned period listed below at the Traffic Separation Scheme bounded by the following coordinates:

	Coordinate of Survey area A-27	Latitude (N)	Longitude (E)	Planned Survey Period
A-27	A	1° 15' 21.977"	103° 20' 55.924"	23 rd April 2019 to 26 th April 2019
	B	1° 14' 6.820"	103° 22' 17.629"	
	C	1° 14' 41.482"	103° 19' 12.595"	
	D	1° 16' 2.640"	103° 17' 41.317"	

	Coordinate of Survey area A-29	Latitude (N)	Longitude (E)	Planned Survey Period
A-29	A	1° 12' 29.803"	103° 22' 22.759"	26 th April 2019
	B	1° 11' 38.188"	103° 23' 29.053"	
	C	1° 11' 18.899"	103° 23' 9.568"	
	D	1° 11' 35.582"	103° 22' 41.710"	
	E	1° 12' 9.878"	103° 22' 3.160"	

	Coordinate of Survey area A-34	Latitude (N)	Longitude (E)	Planned Survey Period
A-34	A	1° 7' 3.181"	103° 32' 51.259"	1 st May 2019 to 9 th May 2019
	B	1° 3' 35.744"	103° 38' 50.860"	
	C	1° 2' 24.672"	103° 38' 10.153"	
	D	1° 5' 56.008"	103° 32' 11.637"	

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	Coordinate of Survey area A-35	Latitude (N)	Longitude (E)	Planned Survey Period
A-35	A	1° 3' 35.744"	103° 38' 50.860"	9 th May 2019 to 18 th May 2019
	B	1° 5' 53.887"	103° 43' 16.626"	
	C	1° 7' 3.596"	103° 44' 9.302"	
	D	1° 6' 28.575"	103° 44' 55.104"	
	E	1° 4' 59.898"	103° 43' 33.029"	
	F	1° 1' 35.916"	103° 39' 32.842"	
	G	1° 2' 24.672"	103° 38' 10.153"	

	Coordinate of Survey area A-38	Latitude (N)	Longitude (E)	Planned Survey Period
A-38	A	1° 8' 25.132"	103° 45' 22.408"	18 th May 2019 to 20 th May 2019
	B	1° 10' 5.340"	103° 47' 56.770"	
	C	1° 9' 1.287"	103° 47' 56.380"	
	D	1° 7' 49.553"	103° 46' 10.201"	
	E	1° 6' 47.382"	103° 45' 13.698"	

	Coordinate of Survey area A-39	Latitude (N)	Longitude (E)	Planned Survey Period
A-39	A	1° 10' 5.340"	103° 47' 56.770"	20 th May 2019
	B	1° 10' 40.625"	103° 49' 13.714"	
	C	1° 10' 5.340"	103° 49' 28.762"	

	Coordinate of Survey area A-40	Latitude (N)	Longitude (E)	Planned Survey Period
A-40	A	1° 11' 35.790"	103° 51' 17.594"	21 st May 2019
	B	1° 12' 8.695"	103° 52' 14.694"	
	C	1° 12' 8.695"	103° 52' 17.598"	
	D	1° 11' 59.180"	103° 52' 20.690"	
	E	1° 11' 15.750"	103° 52' 20.690"	
	F	1° 10' 54.174"	103° 51' 34.046"	

	Coordinate of Survey area A-46	Latitude (N)	Longitude (E)	Planned Survey Period
A-46	A	1° 14' 16.961"	103° 57' 24.364"	21 st May 2019
	B	1° 14' 16.961"	103° 57' 36.112"	
	C	1° 14' 6.447"	103° 57' 36.112"	
	D	1° 14' 6.447"	103° 57' 24.364"	

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	Coordinate of Survey area A-41	Latitude (N)	Longitude (E)	Planned Survey Period
A-41	A	1° 14' 29.028"	103° 58' 17.622"	22 nd May 2019 and 23 rd May 2019
	B	1° 15' 21.289"	104° 2' 2.153"	
	C	1° 14' 56.126"	104° 2' 7.960"	
	D	1° 14' 5.800"	103° 58' 25.365"	

	Coordinate of Survey area A-47	Latitude (N)	Longitude (E)	Planned Survey Period
A-47	A	1° 15' 54.227"	104° 3' 1.591"	23 rd May 2019
	B	1° 15' 54.227"	104° 3' 11.394"	
	C	1° 15' 45.918"	104° 3' 11.394"	
	D	1° 15' 45.918"	104° 3' 1.591"	

	Coordinate of Survey area A-28	Latitude (N)	Longitude (E)	Planned Survey Period
A-28	A	1° 15' 4.600"	103° 22' 19.073"	20 th June 2019 and 21 st June 2019
	B	1° 14' 59.171"	103° 22' 46.061"	
	C	1° 12' 46.265"	103° 26' 53.392"	
	D	1° 13' 47.592"	103° 23' 53.704"	
	E	1° 15' 4.600"	103° 22' 19.073"	

	Coordinate of Survey area A-32	Latitude (N)	Longitude (E)	Planned Survey Period
A-32	A	1° 17' 1.179"	103° 23' 24.541"	21 st June 2019 to 23 rd June 2019
	B	1° 15' 11.820"	103° 25' 11.955"	
	C	1° 14' 10.853"	103° 24' 15.310"	
	D	1° 14' 58.851"	103° 22' 56.305"	

	Coordinate of Survey area A-30	Latitude (N)	Longitude (E)	Planned Survey Period
A-30	A	1° 15' 11.820"	103° 25' 11.955"	24 th June 2019 to 8 th July 2019
	B	1° 12' 59.324"	103° 34' 40.629"	
	C	1° 11' 51.710"	103° 34' 19.161"	
	D	1° 11' 41.399"	103° 33' 57.222"	
	E	1° 12' 46.265"	103° 26' 53.392"	
	F	1° 14' 10.853"	103° 24' 15.310"	

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	Coordinate of Survey area A-31	Latitude (N)	Longitude (E)	Planned
A-31	A	1° 12' 46.265"	103° 26' 53.392"	8 th July 2019 to 21 st July 2019
	B	1° 11' 41.399"	103° 33' 57.222"	
	C	1° 11' 51.710"	103° 34' 19.161"	
	D	1° 11' 50.964"	103° 34' 36.484"	
	E	1° 11' 42.653"	103° 35' 13.309"	
	F	1° 11' 28.113"	103° 37' 51.344"	
	G	1° 10' 20.793"	103° 39' 44.708"	
	H	1° 10' 20.917"	103° 34' 47.846"	
	I	1° 10' 18.027"	103° 29' 34.044"	
	J	1° 11' 40.026"	103° 28' 5.415"	
	K	1° 12' 11.536"	103° 28' 23.913"	

	Coordinate of Survey area A-42	Latitude (N)	Longitude (E)	Planned Survey Period
A-42	A	1° 17' 22.057"	104° 7' 39.615"	21 st July 2019 to 5 th August 2019
	B	1° 19' 23.893"	104° 19' 23.404"	
	C	1° 20' 2.219"	104° 20' 7.118"	
	D	1° 19' 2.566"	104° 20' 46.068"	
	E	1° 18' 0.067"	104° 19' 36.062"	
	F	1° 17' 19.110"	104° 14' 53.670"	
	G	1° 17' 6.318"	104° 14' 54.054"	
	H	1° 16' 3.468"	104° 8' 35.219"	

	Coordinate of Survey area A-43	Latitude (N)	Longitude (E)	Planned Survey Period
A-43	A	1° 17' 36.038"	104° 18' 24.902"	5 th August 2019
	B	1° 17' 36.726"	104° 19' 39.991"	
	C	1° 17' 30.409"	104° 19' 40.939"	
	D	1° 17' 20.851"	104° 18' 25.058"	

1. Charts affected: Singaporean GSP1/SP1, 201, 202, 500, 501, Dual-badged 4030, 4031, 4036, 4038, 4039, 4040, 4041 and 4042.
2. ENC's affected: SG5C4030, SG5C4031, SG5C4036, SG5C4039, SG5C4041, SG5C4043, MS3IK2EB, MS4IK2RL, MS4BR2JS and MS3IK2EB.
3. Mariners are advised to navigate with caution and give a wide berth.
4. Navigational warning broadcast will be promulgated by the relevant VTS Authorities by VHF and NAVTEX. Mariners are to maintain a listening watch.

Note: Former notice 47T/2019 has been cancelled

Source: Aero Asahi Corporation, Japan (SCOPE OF WORKS FOR PHASE 2 OF THE JOINT HYDROGRAPHIC SURVEY OF THE STRAITS OF MALACCA AND SINGAPORE (THE "JOINT HYDROGRAPHIC SURVEY"))).