

Notice

Problems of display in the Electronic Chart Display and Information System (ECDIS) related to "isolated shoal depths"

On 15 February 2010, International Hydrographic Organization (IHO) instructed countries all over the world that produce Electronic Navigational Charts (ENCs) to examine their ENC data urgently because the problem of display was found out in ECDIS. The IHO also requested those countries to warn users regarding the use of ECDIS.

1. Problems of display in ECDIS

Some ECDISs currently on board do not display isolated shoal depths even though they are dangerous for surface navigation when the mode of the display is Base Display and Standard Display. In addition, the function of the alarm of ECDIS may not work properly while navigational route planning and navigation monitoring.

2. Immediate measures required for ECDIS users

- (1) Configure the ECDIS to display all data or soundings on navigational route planning so that it can identify hazardous depths on routes.
- (2) Configure the ECDIS to display all data or soundings on deviating from the route safely planned during navigation in order to verify that there are no hazardous depths in the direction of navigation.
- (3) Avoid too relying on the automatic checking function of the navigational route planning.

3. Measures to be taken in ENC data

We examined isolated shoal depths in our ENC data. Some items have to be modified immediately, such as navigational routes, berthing facilities and its vicinity. Our Electronic Revisions (ER) to be issued on 26 March 2010 included the items in the following table. After installing the ER, the function of the alarm in ECDIS will work properly in any mode.

Cell No.	Sea area	Chart No.	Latitude	Longitude	Depth
JP553SMD	Monbetsu Ko, the North Coast of Hokkaido	W29	44-20-46.9N	143-21-47.4E	7.3m
JP54RUOS	Western Part of Niigata Ko	W1155A	37-56-11.3N	139- 3-48.2E	10.3m
			37-56-45.3N	139- 4- 5.1E	10.3m
			37-56-43.0N	139- 4- 4.7E	10.1m
			37-56-41.6N	139- 4- 4.5E	10.2m
			37-56-42.9N	139- 3-53.9E	10.1m
			37-56-41.3N	139- 3-53.2E	10.1m
			37-56-44.7N	139- 3-54.4E	10.1m
			37-56-33.1N	139- 3-50.0E	10.2m
			37-56-39.9N	139- 3-52.9E	10.1m
			37-56-55.3N	139- 4- 6.9E	10.1m
37-56-35.6N	139- 3-51.2E	10.1m			
JP54VA6L	Hachinohe Ko	W65	40-33-35.5N	141-29-10.5E	3.6m

Cell No.	Sea area	Chart No.	Latitude	Longitude	Depth
JP44TFJM	Kamaishi Ko	W71	39-15-27.4N	141-55-54.8E	19.2m
JP54SIA4	Sendai-Shiogama Ko Sendai	W64B	38-16-29.0N	141- 2-48.8E	5.0m
JP54P6SG	Chiba Ko Katsunan	W1088 JP1088	35-39-48.3N	140- 0- 6.4E	11.0m
			35-39-50.5N	140- 0- 6.9E	11.2m
			35-39-54.1N	140- 0- 5.6E	11.2m
			35-39-52.6N	140- 0- 6.4E	11.3m
JP54O9II	Yokkaichi Ko	W94	34-59-55.2N	136-39-44.8E	5.1m
JP54OJB2		JP94	35- 0- 2.0N	136-39-54.9E	7.0m
JP54O9IJ	Kinuura Ko	W1056 JP1056	34-52-11.3N	136-57-57.7E	11.4m
			34-52-13.1N	136-57-57.5E	10.7m
			34-51- 0.6N	136-56-40.9E	11.8m
			34-51- 6.4N	136-56-46.3E	11.7m
			34-51- 3.5N	136-56-44.4E	11.5m
JP54OJB3	Northern Part of Nagoya Ko	W1055A JP1055A	35- 1-46.2N	136-47-32.8E	13.9m
			35- 1-48.5N	136-47-35.0E	13.7m
			35- 1-50.4N	136-50-44.1E	14.8m
			35- 1-48.4N	136-50-44.8E	14.6m
			35- 1-44.8N	136-50-46.3E	14.7m
			35- 1-45.6N	136-50-24.1E	14.9m
JP44NVQ2	Utsumi Ko,Northern Part of Ise Wan	W95 JP95	34-44- 2.4N	136-51-38.8E	1.3m
JP24IG1G	Northeast Part of Tori Shima	W81	30-35-26.2N	140-24-41.1E	27.0m
			30-33-25.6N	140-23-23.1E	21.0m
JP54NVPR	Higashi-Harima Ko	W107 JP107	34-41- 6.5N	134-49- 1.2E	16.7m
JP54NC8F	Tokuyama-Kudamatsu Ko Tokuyama	W1106	34- 3- 7.9N	131-46-33.7E	8.4m
			34- 3- 8.1N	131-46-28.9E	8.7m
			34- 3- 7.8N	131-46-32.2E	8.8m
			34- 3- 7.7N	131-46-36.3E	8.6m
			34- 3- 4.0N	131-47-19.9E	8.8m
			34- 3- 6.8N	131-47-17.4E	7.3m
			34- 3- 6.7N	131-47-14.9E	7.7m
JP54N2FS	Ube Ko	W128	33-55-36.1N	131-11-35.8E	6.9m
JP34M56C	Kanda Ko	W1101 JP1101	33-48-30.8N	131- 2-34.4E	11.4m
JP44MONC		W127	33-48-45.6N	131- 3-14.4E	11.8m
			33-48-30.8N	131- 2-34.4E	11.4m
			33-48-45.6N	131- 3-14.4E	11.8m
JP54N2FS		W129	33-48-40.7N	131- 3-14.2E	11.8m
			33-48-30.4N	131- 2-38.2E	11.6m
			33-48-32.7N	131- 2-34.5E	11.5m
			33-48-30.8N	131- 2-34.4E	11.4m
			33-48-45.6N	131- 3-14.4E	11.8m
			33-48-44.8N	131- 3-11.6E	11.9m
			33-48-40.7N	131- 3-14.2E	11.8m
			33-48-42.3N	131- 3-17.9E	11.9m

Cell No.	Sea area	Chart No.	Latitude	Longitude	Depth
JP54MONC	Unoshima Ko	W1246	33-37-48.4N	131- 7-31.2E	6.0m
			33-37-49.2N	131- 7-29.8E	6.2m
JP44MON8	Hakata Ko	W190 JP190	33-39-17.8N	130-24-37.7E	12.8m
JP54MON9		W1227 JP1227	33-39-17.1N	130-24-38.2E	12.8m
JP44LHL6	Southwest Part of Matsushima Suido	W204	32-52- 8.4N	129-35- 7.5E	17.1m
JP54E78V	Unten Ko	W227	26-38-57.1N	127-59-40.2E	0.3m
JP15ATBC	Approaches to Poluostrov Kamchatka	W1004C (INT511)	51- 4-13.4N	156-28-57.6E	24.0m
JP13DS14	West Part of Taiwan	W1004A (INT509)	23-55-24.9N	119-47-50.1E	23.0m

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