



**IHB File No. S3/8151/CSPCWG**

**CIRCULAR LETTER 14/2005**  
**2 February 2005**

**NEW CHART SPECIFICATIONS**

*Wind Turbines (on land and off-shore), Underwater Turbines and Groups of Turbines*

References: A IHO Circular Letter 59/2004 dated 1 October 2004.  
B M-4, Part B, Chart Specifications of the IHO.  
C IHO CL 75/2003 dated 10 December 2003: IHO Publication M-4.

Dear Hydrographer,

Following the expiry of the three-month consultation period, the following new specifications and chart symbols, originally promulgated in IHO CL 59/2004 (Reference A), have now been adopted:

- Wind turbines and wind farms on land B-374.6
- Off-shore wind turbines B-445.8
- Off-shore wind farms B-445.9
- Underwater turbines B-445.10
- Current farms (or turbine fields) B-445.11

Minor amendments have been made to the draft specifications as a result of comments received. In particular, the examples of offshore wind and current farms, which include navigational restrictions, have been separated from the symbol for wind and current farms where no restrictions apply. This will help to clarify that the depiction with the "entry prohibited" symbol is intended as an example, and does not represent the only possible combination.

As the new or revised specifications above cannot be included in M-4 (Reference B) without causing changes to the page numbers, they have been added to the IHO web-site (in accordance with Reference C) as 'stand-alone' documents created in the planned new format for M-4. They will be incorporated into a new digitized version of M-4 to be posted on the web-site early in 2005.

The agreed specifications, to be included in sections [B-300](#) and [B-400](#) of M-4, are available from the web-page "Maintenance of IHO Publication M-4" on the IHO website, by following the path: Committees/CSPCWG/IHO Publication M-4.

New 'Record of Corrections' pages B-300.iii and B-400.iv, including the changes, are attached to this letter. It is also suggested that the following changes be made in manuscript to any hard copies of M-4, as a temporary measure until the new format M-4 is available:

On the List of Effective Pages, amend B-300.iii and B-400.iv to Corr. 2-2005.

The title for specification B-445 will be changed to 'OFFSHORE PRODUCTION FACILITIES' (in lieu of 'OIL- AND GAS-FIELDS') when the new specifications are incorporated into M-4. This change could be made in manuscript, if required, on the 'Contents' page B-400.viii and on page B-400.69.

A revision of the official English language version of INT 1, which will include the new symbols, is currently being prepared by the German Hydrographic Office (BSH).

Paper copies of the new specifications can be provided on request to the IHB ([info@ihb.mc](mailto:info@ihb.mc)).

On behalf of the Directing Committee  
Yours sincerely,

A handwritten signature in black ink, appearing to read 'K. Barbor', with a stylized flourish at the end.

Rear Admiral Kenneth BARBOR  
Director

Encls: Annex A: New page B-300.iii (M-4)  
Annex B : New page B-400.iv (M-4)

**SECTION 300 – TOPOGRAPHY****RECORD OF CORRECTIONS****Annex A to CL 14/2005**

Specification Number	Amendment Number	Circular Letters		Remarks
		Promulgated by	Approved by	
Section 300 Preliminary Edition	—	21/1979	—	Facsimile reproduction of Specifications drawn up by the NSICC and the CSC. Then adopted by 1982 Conference. Decision No. 23.
B-313.4-B-320.1 B-326.2-B-326.7 B-328.3-B-366.2 B-380.2-B-380.3 B-382.1	—	—	—	Included in Cumulative Correction No. 1/1986.
B-327.1-B-373.1 B-373.6-B-375.4 B-382.1-B-390	2/1987	27/1987	14/1988	
Section 300 1988 edition	—		—	New loose-leaf edition – including symbols from chart INT 1.
B-381.4	1/1989	31/1989	52/1989	New specification.
B-390	1/1990	47/1990	—	Amendment to the title of the paragraph.
B-390.1	1/1990	47/1990	—	Former specification 390.
B-390.2	1/1990	47/1990	—	New specification.
B-374.6	2/2005	59/2005	14/2005	'Stand-alone' new specification

**SECTION 400 – HYDROGRAPHY AND NAVIGATIONAL AIDS****RECORD OF CORRECTIONS****Annex B to CL 14/2005**

Specification Number	Amendment Number	Circular Letters		Remarks
		Promulgated by	Approved by	
B-435	1-1994	47/1993	15/1994	Amendment to the graphic
B-435.7	1-1994	44/1993	15/1994	Amendment to the 2nd sentence of a.
B-445.4	1-1994	44/1993	15/1994	Amendment to the 3rd sentence
B-450	1-1994	44/1993	15/1994	Amendment to paras. a, b and d
B-452.8	1-1994	44/1993	15/1994	Updating of symbols used in the example
B-460.4	1-1994	44/1993	15/1994	Amendment to 2nd sentence and to 2nd sentence of para. b; deletion of b.i; b.ii and b.iii relettered b.i and b.ii.
B-460.5	1-1994	44/1993	15/1994	Amendment to 1st sentence
B-462	1-1994	44/1993	15/1994	Amendment to 3rd sentence
B-462.1	1-1994	44/1993	15/1994	Amendment to 3rd sentence
B-462.8	1-1994	44/1993	15/1994	Amendment to the specification
B-462.9	1-1994	44/1993	15/1994	Amendment to the specification
B-470	1-1994	44/1993	15/1994	Amendment to the specification
B-470.3	1-1994	44/1993	15/1994	Amendment to 1st sentence
B-470.5	1-1994	44/1993	15/1994	Amendment to 4th paragraphe
B-470.7	1-1994	44/1993	15/1994	Amendment to last sentence
B-472.1	1-1994	44/1993	15/1994	Amendment to para. d.
B-474-B - 474.5	1-1994	44/1993	15/1994	New specifications
B-474.6 – B-474.7	1-1994	44/1993	15/1994	Deleted
B-432.1	1-1995	40/1994	40/1995	Amendment to para. d and following
B-433.1	1-1995	40/1994	40/1995	Amendment to 1st sentence
B-433.6	1-1995	40/1994	40/1995	Deleted
B-481.2	1-1995	40/1994	40/1995	Amendment to the specification
B-486.1	1-1995	40/1994	40/1995	Amendment to 2nd paragraph
B-486.2	1-1995	40/1994	40/1995	Amendment after "use)."
B-486.3 – B-486.4	1-1995	40/1994	40/1995	Amendment to both specifications
B-486.5	1-1995	40/1994	40/1995	New specification
B-486.3	1-2001	40/1995	63/96	Amendment to the Specification
B-435.7	1-2005	46/2004	01/2005	'Stand-alone' revised specification
B-435.10	1-2005	46/2004	01/2005	'Stand-alone' new specification
B-435.11	1-2005	46/2004	01/2005	'Stand-alone' new specification
B-437	1-2005	46/2004	01/2005	'Stand-alone' new specification
B-439.3-4	1-2005	49/2004	01/2005	New symbol
B-441.6	1-2005	49/2004	01/2005	New symbol
B-445.8– B-445.11	2-2005	59/2004	14/2005	'Stand-alone' new specifications