

**CIRCULAR LETTER 59/2004**  
**1 October 2004**

**NEW AND REVISED PAPER CHART SPECIFICATIONS**

*Wind Turbines (on land and in the sea), Underwater Turbines and Groups of Turbines*

- Ref: 1) IHB Circular Letter 75/2003 dated 10 December 2003  
2) M-4, Part B, Chart Specifications of the IHO  
3) IHB Circular Letter 46/2004 dated 2 July 2004  
4) IHB Circular Letter 49/2004 dated 12 July 2004

Dear Hydrographer,

The Chart Standardization and Paper Chart Working Group (CSPCWG), a constituent body of CHRIS, has completed drafts of new or revised International Chart Specifications for wind turbines (on land and in the sea), underwater turbines and groups of turbines.

This letter seeks your agreement to adopt these draft specifications in M-4.

Drafts of revised International chart specification B374.6 and new specifications B-445.8-445.11 have been placed on the IHO website ([www.iho.shom.fr](http://www.iho.shom.fr) > Committees > CHRIS > CSPCWG > IHO Publication M-4), in accordance with the revised procedures detailed in IHB CL 75/2003. Please note that the new M-4 format style, colours and pagination is still being developed. Any Member State unable to view or print the draft specifications should request hard copies from the IHB.

In developing these specifications, the CSPCWG consulted members of the other CHRIS Working Groups to ensure that new paper chart symbols are compatible with the requirements of Electronic Navigational Charts (ENC).

The following points may help Member States in considering the proposed new symbols:

- The new symbol for a wind turbine is a better representation of the large modern structures which are increasingly visible both on land and sea, and is similar to the one already designed for use on ENC.
- B-374.6 was formerly used for the Windmotor symbol (currently shown at IE26 in INT 1). CSPCWG members consider that the type of structures intended to be shown by the small symbol would rarely be large enough to be a useful navigational mark and do not warrant having a separate symbol.
- Turbines which have navigational lights mounted on them should have a flare added to the base, but the position circle should not be changed to a small light star, as the structure is not principally built for navigation purposes. This is a principle which may be applied to

other non-navigational structures (such as water towers) which have navigational lights mounted on them, and will be made more explicit in the on-going revision of M-4.

- The symbol for an “Entry prohibited area” proposed in IHO CL 49/2004 has been included in the examples at B-445.9 and B-445.11. This may need amendment if the proposed new symbol is not endorsed by Member States.
- The title for specification B-445 will be amended to ‘OFFSHORE PRODUCTION FACILITIES’ (in lieu of ‘OIL- AND GAS-FIELDS’) when the approved specification is incorporated in M-4.

According to Specification B-160, Member States are requested to inform the IHB ([info@ihb.mc](mailto:info@ihb.mc)) if they have any major objections to the adoption of the above specifications, or any other comments, within three months, i.e. **by 1 January 2005**. If no objections are received, the IHB will announce, in a follow-up Circular Letter, that these amendments have come into force.

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