



CHART STANDARDIZATION & PAPER CHART WORKING GROUP (CSPCWG)

[A Working Group of the Hydrographic Services and Standards Committee (HSSC)]

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To CSPCWG Members

Date 11 January 2011

Dear Colleagues,

Subject: S-4 Revision 4.1.0: Breakers and Direction of Buoyage Arrows

I am currently preparing the next revision of S-4 (using the new terminology and numbering system set out in IHO CL87/2010 and discussed at CSPCWG7). This revision will include the proposed changes originally set out in CLs 39 and 56/2010, all now approved, as well as some other smaller changes which have been discussed at various times.

Two minor matters have recently been raised in UKHO, which are only 'clarifications', for which I would welcome your agreement.

1. B-423.2. The 'breakers' symbol (K17) gives no indication in INT1 or S-4 which side of the symbol should be towards the shoal area or coast. However, INT3, the graphical compilers' guide, clearly shows breakers with the concave side to the shore (just south of Castelrigg Head in square G2). I would therefore like to add to B-423.1 'The concave side of the symbol should face towards shoal water or the coastline'. An amended symbol presentation is not considered necessary as this is the reason for, and function of, INT3.

2. B-461.5. We currently provide guidance for charting 'where two opposing local directions of buoyage meet': two arrows point to point. This does not provide for where the direction diverges (the example we recently found was off the coast of Norway – see INT1300 produced by Denmark, extract below). I propose to amend the text by deleting and inserting words as in red below to read:

'Where two ~~opposing~~ local directions meet ~~or diverge~~, two arrows (size at cartographer's discretion) should be inserted, point to point ~~or base to base as appropriate~~, but with a gap of at least 5mm between them'. I also intend to amend the legend in the graphic to 'Change ~~of~~ buoyage direction', instead of 'in' for consistency with the text.

Please let me have any comments by 21 January. There is no need to respond if you have no

comment, as I will then assume approval for these small clarifications.

Yours sincerely,



Andrew Heath-Coleman,
Secretary

