

**3<sup>rd</sup> NCWG MEETING**  
**ESRI HQ, Redlands, California, USA 16-19 May 2017**

**Paper for Consideration by NCWG**  
**Symbol for small craft anchorage/anchor berth**

<b>Submitted by:</b>	UK
<b>Executive Summary:</b>	A suggestion has been made by a compiler at UKHO for a new magenta symbol for a small craft anchorage.
<b>Related Documents:</b>	INT1 F11.2; N12; S-4 B-431.2-3
<b>Related Projects:</b>	None

**Introduction / Background:**

1. A suggestion has been received from a UKHO compiler for a new magenta symbol for small craft anchorages to declutter chart work.

**Analysis / Discussion:**

2. The proposed symbol is an application of N12, using F11.2 ('yacht' symbol) next to the anchor symbol, instead of the two words 'small craft'. It would seem that such usage would be intuitive and save some space.
3. It could be argued that this application is already available on the basis of the INT1 note following N12: 'Other types of anchorage area may be shown'. This may be intended to imply an anchorage marked by a legend, similar to N12.2-21.6, rather than a symbol. However, the 'yacht' symbol is probably as easily recognised as meaning 'small craft' as the 'dangerous cargo' or 'quarantine' symbols used at N12.7 and N12.8 even though they have extended meanings in other contexts (i.e. 'explosive/firing practice' and 'health office/hospital'). It could be helpful to change the term at F11.2 to 'Yacht/small craft berth without facilities'.
4. The symbol F11.2 on its own actually means a 'yacht berth without facilities'. Used with an anchor it could imply anchorage for yachts and other small craft, but perhaps this should be made explicit by including in INT1. Similarly, the 'yacht' symbol could be inserted inside a circle superimposed on an anchor to imply an anchor berth for small craft (even though the yacht inside a circle at F11.1 means boat harbour or marina).
5. S-4 B-431.2 allows the use of a symbol within a circle imposed on an anchor to imply an anchor berth (examples quoted are the dangerous cargo 'flame' and the quarantine 'open cross', even though these examples are not included in INT1 – because these are intuitive extensions of N11. It seems likely that a boat inside a circle imposed on an anchor would be intuitive as a small craft berth, rather than a marina (which would not have the anchor).
6. S-4 B-431.3 allows the anchorage symbol to be adapted for other purposes or types of vessel, for example refuge area, small craft.
7. Further consideration could be given to using the 'yacht' symbol with Q42 (for a small craft mooring trot) and Q44 (for an area of small craft moorings).
  - In the former case, the circular berth number could be enlarged to an oval containing a small yacht as well as the number (in accordance with B-431.2).
  - In the latter case, the area is shown in black (to imply physical obstructions),

but it might still be intuitive to have the word 'Moorings' in black, with a magenta 'yacht' symbol alongside.

**Conclusion:**

8. An anchor with a 'boat' symbol alongside could easily be used to imply a small craft anchorage and save space. It may be argued this is already covered by the note in INT1 and is allowed by S-4 B431.3.
9. Similarly, a boat symbol in a circle superimposed on an anchor would intuitively mean a small craft anchor berth. It may be argued that this is already allowed by S-4 B431.2.
10. If the option of extending this idea to include Q42 and Q44 is accepted, then some additional explanation would be required at B-431.6 and B-431.7 and the example at Q44 would need amending in INT1.

**Recommendation:**

11. While it would not be possible or desirable to create special symbols for every possible anchorage area or anchor berth, where a well-known symbol exists that could be intuitively applied to the anchor, it seems sensible to allow such usage (for the sake of space and avoidance of words). It is recommended therefore that these suggested usages are agreed and consideration be given to extending it further for moorings.

**Justification and Impacts:**

12. Some space saving on charts, often in areas which tend to be cluttered, and using universally recognised symbols in place of words.
13. Some possible clarifications to S-4. Possible additional and/or amended symbols in INT1.

**Action required of NCWG:**

14. The NCWG is invited to advise whether:
  - Extending the use of the F11.2 'yacht' symbol as suggested above is acceptable
  - To change the term at F11.2 in INT1 to 'Yacht/small craft berth without facilities'
  - To clarify S-4 B-431.2 and B-431.3 (to include these as further examples)
  - These symbols should be added to INT1 (because of the extended use of the basic 'yacht' symbol).
  - To extend the concept to include moorings, with consequential clarifications required to S-4 B-431.6 and B-431.7 (and a possible change to INT1 Q44).