

2<sup>nd</sup> NCWG MEETING  
IHB, Monaco 26-28 April 2016

Paper for Consideration by NCWG  
U.S. Response to UK Hanging Light Sectors Proposal

<b>Submitted by:</b>	US (NOAA)
<b>Executive Summary:</b>	A suggestion for a simpler and broader specification of hanging light sector portrayal in S-4.
<b>Related Documents:</b>	UK paper, <a href="#">NCWG2-09.2A</a> , Hanging Light Sectors
<b>Related Projects:</b>	None

**Introduction / Background:**

In complex areas or where a sector limit cannot be shown, the coloured sectors are sometimes indicated by short coloured or dashed arcs either side of the white sector. The UK recommends text to be added to S-4.

**Analysis / Discussion:**

1. The US proposes an alternative to the text proposed by the UK, which is simpler and shorter.

UK Proposal:

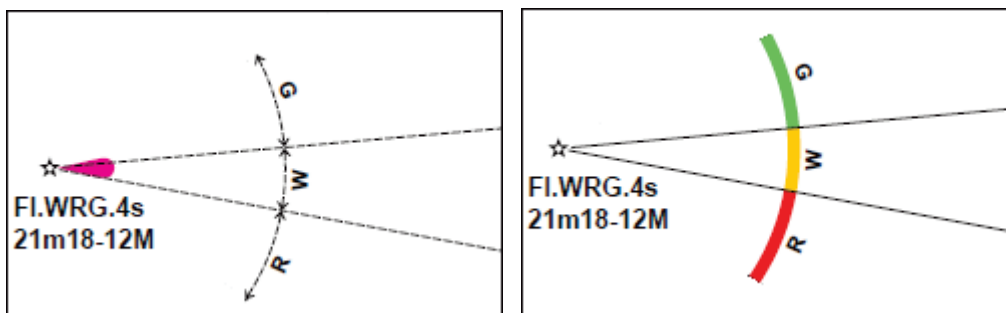
Sometimes, for example in complex areas or where the outer limits of the bordering sectors fall outside the navigational area of the chart, the outer sectors can be indicated by a short section of arc, either side of the sector to be followed, for example:

US Alternative

To reduce clutter or to otherwise improve clarity, the lines delimiting the outer edge of the outermost sectors may be omitted, for example:

This shorter sentence (and examples) could appear in both B-475.1 and B-475.5. If it is desired to have only one description and example of hanging light sectors, the US recommends insertion into B-475.1

2. The US also notes that the UK proposal could be interpreted to only apply to multi-coloured charts, but the same approach could be applied to other charts. An example of each chart type could be shown in S-4, as shown below.



**Conclusion:**

The specification in S-4 for the "hanging light sector" concept could be stated more simply and applied more broadly.

**Recommendation:**

Use the shorter alternative text in S-4.

Add an example of a non-multi-coloured chart in S-4.

The description of hanging light sectors should be inserted into B-475.1, or both B-475.1 and B-475.5.

**Justification and Impacts:**

The recommended alternative text is easier to understand and an additional example would make it clear that the concept could be applied to non-multi-coloured charts too.

**Action required of NCWG:**

The NCWG is invited to:

- consider use of the recommended alternative text, and

- consider including an example of a non-multi-coloured chart when implementing the change in S-4.