

**Joint 18th TSMAD & 1st DIPWG Meeting  
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Paper for Consideration by TSMADWG/DIPWG

Presentation Library Look-up Table Modifications for Obstructions

<b>Submitted by:</b>	BSH
<b>Executive Summary:</b>	This paper describes two instances in which entries in the look up tables for obstructions and wrecks have to be deleted, modified or added to the Presentation Library to bring S-52 into alignment with accepted conventions for portrayal in INT1.
<b>Related Documents:</b>	<i>INT 1, Symbols, Abbreviation, Terms used on Charts</i>
<b>Related Projects:</b>	<i>None</i>

### 1. Subject: Inconsistencies with INT1 Symbols K2, K27 and K42

INT1: K2 swept by wire drag **or diver**  
 INT1: K27 Wreck, least depth known, swept by wire drag **or diver**  
 INT1: k42 Obstruction, least depth known, swept by wire drag **or diver**

The attribute „Technique of sounding measurement: found by diver (4)“ is disregarded in the Look-Up Table. Only the attribute „Technique of sounding measurement: swept by wire drag (6)“ produce the symbols K27 and K42.

In this spirit and in accordance with the INT1 rules the entries in the look up tables for obstructions and wrecks have to be modified or added to the Presentation Library.

### 2. Subject: No use of INT1 Symbol K31 for Obstruction

OBSTRN

Definition:

In marine navigation, anything **that hinders or prevents movement, particularly anything that endangers or prevents passage of a vessel**. The term is usually used to refer to an isolated danger to navigation... (IHO Dictionary, S-32, 5th Edition, 3503)

K31

Definition:

Foul ground. Large areas of foul ground, ie areas over which it **is safe to navigate** but which should be avoided for anchoring, taking the ground or ground fishing, shall be shown by legend, within dashed limits where the extent is known.

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 F o u l K 31  
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Small areas at present generally charted with a danger circle and the legend 'Foul', or equivalent, should be shown by the symbol:

# K 31, L 22

(B-420 Page 6 Chart specification of the IHO)

The Definition of the INT1 symbol K31 says "...is safe to navigate...", so, if you want to specify a foul ground "... that hinders or prevents movement, particularly anything that endangers or prevents passage of a vessel..." (in the spirit of an Obstruction) you have to use the INT1 symbols K1 or K40. The use of the symbol K31 subjects to the Object WRECKS with the attribute CATWRK = 3 – distributed remains of wreck (or better like the INT 1 phrase "foul ground, e.g. remains of a wreck).

In this spirit and in accordance with the INT1 rules the entries in the look up tables for obstructions and wrecks have to be deleted, modified or added to the Presentation Library.