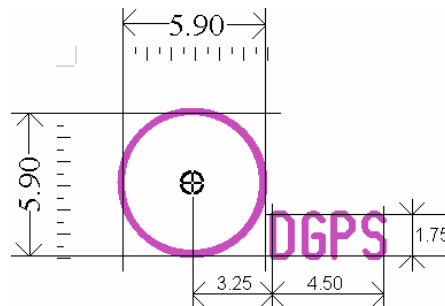


13th TSMAD MEETING
18 to 22 September 2006 – Wellington, New Zealand

FAQ for Differential GPS (Australia)

The CSPCWG has approved the adoption of a new paper chart symbol for DGPS and it will be added to INT 1 as S51 and to M-4 as an extension to B-481.5 (no draft wording as yet). The CSMWG has now made up a new symbol for addition to the S-52 Presentation Library, but TSMAD needs to come up with an agreed method of encoding.



S-57 E3.1 already has two attribute values relating to GPS:
CATSPM = 48 (GPS mark) and CATROS = 10 (Differential GPS).

The question AU asks is what is the correct object class. CSPCWG appears to consider DGPS stations as a special type of radiobeacon (**RTPBCN?**) but attribute CATROS is not permitted for this object class. The closest object class appears to be Radio Station (**RDOSTN**), which permits the use of attribute CATROS, but is **RDOSTN** the correct object class (please read the definitions).

TSMAD needs to decide which object class is the correct one as this is added to the S-52 symbol library as a cross reference. It is anticipated that this new symbol will become a deferred amendment to S-52 and the next S-52 C&S Maintenance Document is currently in preparation and may be published later this year. The issue is therefore relatively urgent and hopefully can be decided at TSMAD13.

Recommendations:

1. That TSMAD13 agree on the correct object class to encode a DGPS station and issue a FAQ and possible ENC Encoding Bulletin.
2. That CSMWG and CSPCWG be informed of TSMAD decision.

Chris ROBERTS
Australian HO
24 Aug 06