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To TSMAD

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Slaves with more than one master

Background

Recently an ENC was received which contained an erroneous case of a slave object with more than one master object. The ENC in question caused undesired results (system crash) in an OEM ECDIS. The item was discussed and resolved with the source Hydrographic Office, and was reported to be due to a production software bug. However, in investigating the matter, it became clear that this situation is not explicitly prohibited by S-57. Therefore, TSMAD should take the necessary steps to advise ENC producers that slave objects can only have one master object.

Recommendations

It is recommended that an Encoding Bulletin (EB) be drafted, from which an S-58 test can be based to detect any slave objects having more than one master object and reporting this as an error.

Sincerely,

Eivind Mong
Jeppesen Marine

