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WAIVER REQUEST - EXPEDITED ACTION

Request for Waiver of FCC Rules Covering Equipment Authorisation

Dear Sir or Madam,

discussed below. In this letter, Ocean Signal Ltd. requests a waiver of the rules of 47 CFR part 80 concerning the requirements of Class B AIS transponders for the reasons

patent, which would have added cost to the product in licensing fees overly complex for low cost recreational products and was covered by a CS-TDMA was originally developed as an alternative to the SO-TDMA system used by class A AIS transponders. The SO-TDMA system was seen as 62287-1 covers the requirements of an AIS transponder using carrier sense TDMA (CS-TDMA) to control the access of transmissions to the AIS network 62287-1, incorporated by reference in part 80.7 of the same chapter. (AIS) equipment must meet the requirements of International Standard IEC 47 part 80.231 requires that class B Automatic Identification System

2017. and reporting rates up to once every five seconds and conforming to ITU-R developed a new standard using SO-TDMA with 5 Watts transmission power equipment to the introduction of the IEC CS-TDMA standard, it became clear that for fast moving vessels there was a need for faster reporting rates, but that M.1371-5 Annex 2. probability of CS-TDMA equipment interfering with the VHF Data Link (VDL). M.1371-5 Annex 2. The patent covering SO-TDMA had by this time expired. The new standard is IEC 62287-2 and was published in 2013, revised in This results in low transmission power and low reporting rates. CS-TDMA conforming has several limitations was a need for faster reporting rates, but to the class A standard was overkill. IEC over SO-TDMA ō Subsequent reduce IEC then the

seconds will improve the navigational awareness of other vessels nearby the faster reporting rates, increasing with vessel speed up to once every five technology. This technology will give users the advantage of greater visibility to other vessels because of the increased transmission power. In addition, Ocean Signal is designing a new class B AIS transponder using SO-TDMA

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Ocean Signal hereby requests a waiver for the rules of CFR 47 part 80 to allow the approval of Class B AIS equipment to the IEC standard IEC 62287-2.

Yours sincerely

David Sheekey
Type Approval and Quality Improvement Facilitator