IEC TC 80 WG 15

**IEC-WG15 Meeting 19**

**15-Jan-2016**



**INTERNATIONAL ELECTROTECHNICAL COMMISSION**

**TECHNICAL COMMITTE 80: Maritime navigation and radiocommunication equipment and systems. Working Group 15 (AIS).**

**Liaison note to IEC TC80 Secretariat, IALA ENAV WG3**

**On technical clarifications to ITU-R M.1371-5**

# Naming of non VDL controlling coast based AIS station

**Discussion**

In ITU-R M.1371 Annex 1 the base station is listed under paragraph 2.2 Automatic identification system VHF data link controlling stations, whereas the limited base station is listed under paragraph 2.1 Automatic identification system VHF data link non-controlling stations.

During the discussion on the standard for AIS Limited Base Station, WG15 determined that the limited base station does not include any function that is related to AIS Base Station.

To avoid confusion WG15 proposes to change the name of the Limited Base Station to "AIS ASM Coast Station" (AACS).

# Semaphore mode of AIS SAR airborne station

**Discussion**

WG15 noted that it is not clearly expressed if AIS SAR airborne station should become semaphore.

Due to high altitude, the AIS SAR airborne station is likely to have the highest number of received stations and would therefore act as a semaphore if this capability is not prohibited. AIS SAR airborne station is typically a fast moving station thus available typically only for a short time in a region. As a result, WG15 is of the opinion that AIS SAR airborne station is not appropriate to act as a semaphore.

ITU-R M.1371-5 Annex 2 paragraph 3.1.3.3.2 states that Class-B SO should not act as a semaphore. WG15 proposes to amend this paragraph to include statement that AIS SAR airborne station should not act as a semaphore.

# Definition of IFM0 using Message 26

**Discussion**

The definition of IFM0 using Message 26 as described in ITU-R M.1371-5 Annex 5 is not in compliance with the definition of Message 26 in ITU-R M.1371-5 Annex 8 section 3.24 Table 82.

In the definition of Message 26, a field of four spare bits exists in front of the commstate for byte alignment. This field is missing in ITU-R M.1371-5 Annex 5 section 5.1 Table 28.

WG15 proposes that the four spare bits field should be added into ITU-R M.1371-5 Annex 5 section 5.1 Table 28. As a consequence the maximum number of bits for an addressed message changes from 942 to 936 (i.e. number of bits for text string should become "6‑936/972" and the related text in description should be changed accordingly).

WG15 further proposes that the naming of the 7 spare bits now described in the Table 28 could be changed to read "padding bits" to avoid confusion as the term "spare bit" implies that such bit could be used for future extension. Message 21 description in Table 73 has similar ambiguity in the last field.

# Action requested of the TC80 secretariat

The secretariat is requested to forward this liaison note to IALA ENAV committee Workgroup 3.

# Action requested of IALA ENAV WG3

IALA ENAV Committee Workgroup 3 is invited to review the items in the liaison note and incorporate them into the next edition of ITU-R M.1371.