[        ] AIS(Automatic Identification System)    Class B          CS-TDMA



AIS(Automatic Identification System :                      )          Class A     Class
B    2                       , Class A                                        (IMO)
   AIS                    Class B                                                  AIS
                                                                               .

                            Class A

                                                                                      .


UTC(coordinated universal time,            )        UTC
                    (TDMA)                                  ,       ,
                    .
              Class A    SO-TDMA(Self-Organized TDMA)

                                                                            Class B
     CS-TDMA(Carrier-Sense TDMA)                          AIS
                          SO-TDMA
                    (AIS                                          )
                    1.5W

              .

SO-TDMA              Class A    CS-TDMA          Class B
                                                                    19
24                                            Class A          Class B
                    .(                                        ).


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                 <   1> Class A    Class B

| | Class A | Class B |
|---|---|---|
| | SO-TDMA | CS-TDMA |
| | 1,        3 | 1,       2     3 |
| | 156025MHz    162.025MHz | 161.500MHz    162.025MHz<br>156.025MHz    162.025MHz |
| | 12.5W/2W | 1.5W |
| External GPS | | |
| Gyro | | |
| ROT | | |
| ECDIS/RADAR | | |
| Pilot Plug | | |

| | MKD | | |
|---|---|---|---|

< 2> Class A    Class B

| Msg No. | Name of Message | Class A | | Class B | |
|---|---|---|---|---|---|
| | | Rx | Tx | Rx | Tx |
| 1 | (    ) | Yes | Yes | | No |
| 2 | (    ) | Yes | Yes | | No |
| 3 | (    ) | Yes | Yes | | No |
| 4 | | Yes | No | | No |
| 5 | | Yes | No | | No |
| 6 | | Yes | Yes | No | No |
| 7 | | Yes | Yes | No | No |
| 8 | Yes | Yes | Yes | | No |
| 9 | | Yes | No | | No |
| 10 | UTC | Yes | Yes | No | No |
| 11 | UTC | Yes | Yes | | No |
| 12 | | Yes | Yes | No | No |
| 13 | | Yes | Yes | No | No |
| 14 | | Yes | Yes | | |
| 15 | | Yes | Yes | Yes | No |
| 16 | | Yes | No | No | No |
| 17 | DGNSS | Yes | No | | No |
| 18 | Class B | Yes | No | | Yes |
| 19 | Class B | Yes | No | | Yes |
| 20 | | Yes | No | Yes | No |
| 21 | | Yes | No | | No |
| 22 | | Yes | No | Yes | No |
| 23 | | - | - | Yes | No |
| 24 | Class B | - | - | | Yes |

Class B        Class A                                        AIS

AIS

.


( )

AIS                    Class B                    CS-TDMA                              .

Class B        Class A                        SO-TDMA

ITU-R M.1371-1                            CS-TDMA

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SO-TDMA        CS-TDMA

.                        2008

Class B                                    .

    AIS

                    Class B                              MMSI
      .

CS-TDMA                              IEC62287(CDV)                        WP8B
     CS-TDMA            Class-B AIS                ITU-R M.1371-1            1
         7                                                          SG8
      .


                              ,

                                                    300GT

        2004   12   31                                        2008

    .

                              Class A

        Class B                                    .

    AIS                                                            .


                                                    Class B AIS



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                                                              .


                    (                              , jhsong@seaman.or.kr)