

UNITED STATES OF AMERICA
PROPOSALS FOR THE WORK OF THE CONFERENCE

Agenda Item 1.16: *to consider regulatory provisions and spectrum allocations to enable possible new Automatic Identification System (AIS) technology applications and possible new applications to improve maritime radiocommunication in accordance with Resolution 360 [COM6/21] (WRC-12)*

Resolution 360 (WRC-2012): *Consideration of regulatory provisions and spectrum allocations for enhanced Automatic Identification System technology applications and for enhanced maritime radiocommunication*

Background Information: This agenda item addresses regulatory provisions and spectrum allocations for use by maritime safety systems for ships and ports.

Since AIS 1 and AIS 2 are very close in frequency to channels 2078, 2019, 2079 and 2020, the use of these channels for radio communications by ships will block the ship's AIS receiver, consequentially causing the ship's AIS to be unable to update the location of other ships nearby, resulting in a navigation safety hazard and possible collision. This problem should be solved, not only to protect the AIS channels, but also to protect the additional channels that may be allocated to support AIS technology applications.

Proposals:

MOD USA/AI 1.16/1

APPENDIX 18 (Rev.WRC-12)

Table of transmitting frequencies in the VHF maritime mobile band

(See Article 52)

...

MOD

Channel designator	Notes	Transmitting frequencies (MHz)		Inter-ship	Port operations and ship movement		Public correspondence
		From ship stations	From coast stations		Single frequency	Two frequency	
60	m)	156.025	160.625		x	x	x

Channel designator	Notes	Transmitting frequencies (MHz)		Inter-ship	Port operations and ship movement		Public correspondence
		From ship stations	From coast stations		Single frequency	Two frequency	
01	<i>m)</i>	156.050	160.650		x	x	x
61	<i>m)</i>	156.075	160.675		x	x	x
02	<i>m)</i>	156.100	160.700		x	x	x
62	<i>m)</i>	156.125	160.725		x	x	x
03	<i>m)</i>	156.150	160.750		x	x	x
63	<i>m)</i>	156.175	160.775		x	x	x
04	<i>m)</i>	156.200	160.800		x	x	x
64	<i>m)</i>	156.225	160.825		x	x	x
05	<i>m)</i>	156.250	160.850		x	x	x
65	<i>m)</i>	156.275	160.875		x	x	x
06	<i>f)</i>	156.300		x			
2006	<i>r)</i>	160.900	160.900				
66	<i>m)</i>	156.325	160.925		x	x	x
07	<i>m)</i>	156.350	160.950		x	x	x
67	<i>h)</i>	156.375	156.375	x	x		
08		156.400		x			
68		156.425	156.425		x		
09	<i>i)</i>	156.450	156.450	x	x		
69		156.475	156.475	x	x		
10	<i>h), q)</i>	156.500	156.500	x	x		
70	<i>f), j)</i>	156.525	156.525	Digital selective calling for distress, safety and calling			
11	<i>q)</i>	156.550	156.550		x		
71		156.575	156.575		x		
12		156.600	156.600		x		
72	<i>i)</i>	156.625		x			
13	<i>k)</i>	156.650	156.650	x	x		
73	<i>h), i)</i>	156.675	156.675	x	x		
14		156.700	156.700		x		
74		156.725	156.725		x		
15	<i>g)</i>	156.750	156.750	x	x		
75	<i>n), s)</i>	156.775	156.775		x		
16	<i>f)</i>	156.800	156.800	DISTRESS, SAFETY AND CALLING			
76	<i>n), s)</i>	156.825	156.825		x		
17	<i>g)</i>	156.850	156.850	x	x		
77		156.875		x			

Channel designator	Notes	Transmitting frequencies (MHz)		Inter-ship	Port operations and ship movement		Public correspondence
		From ship stations	From coast stations		Single frequency	Two frequency	
18	<i>m)</i>	156.900	161.500		x	x	x
78	<i>t), u), v)</i>	156.925	161.525		x	x	x
1078		156.925	156.925		x		
2078	<i>tt)</i>	161.525	161.525		x		
19	<i>t), u), v)</i>	156.950	161.550		x	x	x
1019		156.950	156.950		x		
2019	<i>tt)</i>	161.550	161.550		x		
79	<i>t), u), v)</i>	156.975	161.575		x	x	x
1079		156.975	156.975		x		
2079	<i>tt)</i>	161.575	161.575		x		
20	<i>t), u), v)</i>	157.000	161.600		x	x	x
1020		157.000	157.000		x		
2020	<i>tt)</i>	161.600	161.600		x		
80	<i>w), y)</i>	157.025	161.625		x	x	x
21	<i>w), y)</i>	157.050	161.650		x	x	x
81	<i>w), y)</i>	157.075	161.675		x	x	x
22	<i>w), y)</i>	157.100	161.700		x	x	x
82	<i>w), x), y)</i>	157.125	161.725		x	x	x
23	<i>w), x), y)</i>	157.150	161.750		x	x	x
83	<i>w), x), y)</i>	157.175	161.775		x	x	x
24	<i>w), ww), x), y)</i>	157.200	161.800		x	x	x
84	<i>w), ww), x), y)</i>	157.225	161.825		x	x	x
25	<i>w), ww), x), y)</i>	157.250	161.850		x	x	x
85	<i>w), ww), x), y)</i>	157.275	161.875		x	x	x
26	<i>w), ww), x), y)</i>	157.300	161.900		x	x	x
86	<i>w), ww), x), y)</i>	157.325	161.925		x	x	x
27	<i>z)</i>	157.350	161.950			x	x
87	<i>z)</i>	157.375	157.375		x		
28	<i>z)</i>	157.400	162.000			x	x
88	<i>z)</i>	157.425	157.425		x		
AIS 1	<i>f), l), p)</i>	161.975	161.975				

Channel designator	Notes	Transmitting frequencies (MHz)		Inter-ship	Port operations and ship movement		Public correspondence
		From ship stations	From coast stations		Single frequency	Two frequency	
AIS 2	<i>f, l, p)</i>	162.025	162.025				

Notes referring to the Table

...

ADD

tt) Channels 2078, 2019, 2079 and 2020 are not available for transmitting from ships.
