

Distress Calls

via

Digital Selective Calling

Who is Listening to Distress Calls from your DSC

- Search and Rescue Teams around the world
- US Coast Guard
- All Large Commercial Ships
- Thousands of Listeners for Every Cruiser!

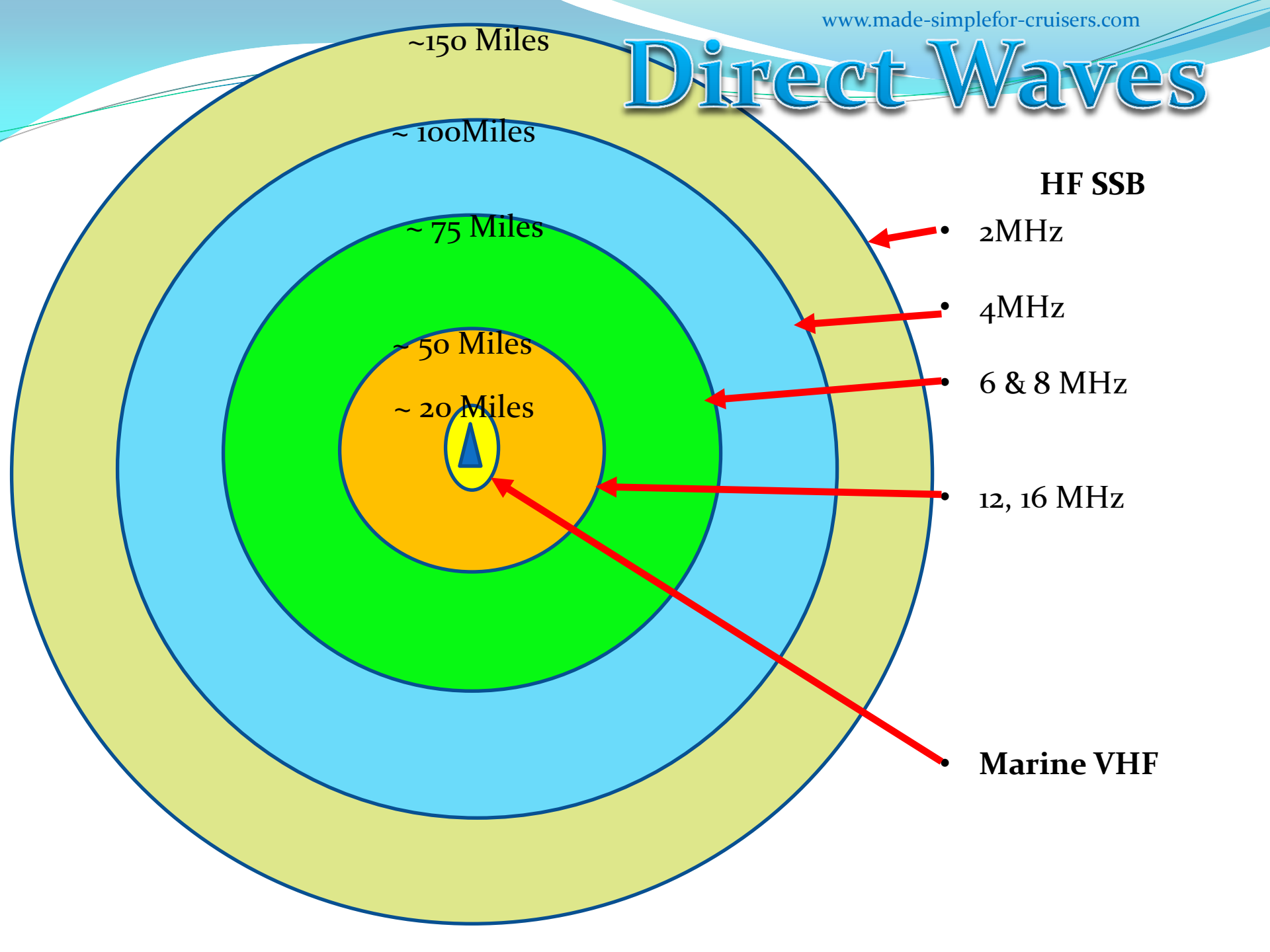
DSC Help is a Call Away

- Marine VHF Radio will get help up to about 20 Miles
- HF Radio May go around the world.
- HF Radio has a Ground Wave Component
 - The Signal Travels along the surface of the Earth
- HF Radio has a Sky Wave Component
 - Signal bounces between the Ionosphere and the earth
 - Can actually go all the way around the Earth

How to Read the Next Slides

- Following Charts show an approximate distance for a DSC Distress Call to travel.
- The Ground Wave or Direct Wave is propagating around your vessel and out to other vessels.
- The Daytime and Nighttime Sky Wave charts are only the approximate distance for the first bounce of the call. (With HF it may continue around the world)

Direct Waves



HF SSB

• 2MHz

• 4MHz

• 6 & 8 MHz

• 12, 16 MHz

• Marine VHF

Daytime Sky Wave

8, 12 & 16MHz
~ 1000Miles

6MHz
~ 700 Miles

2 & 4MHz
~ 500 Miles

US Dept of State Geographer

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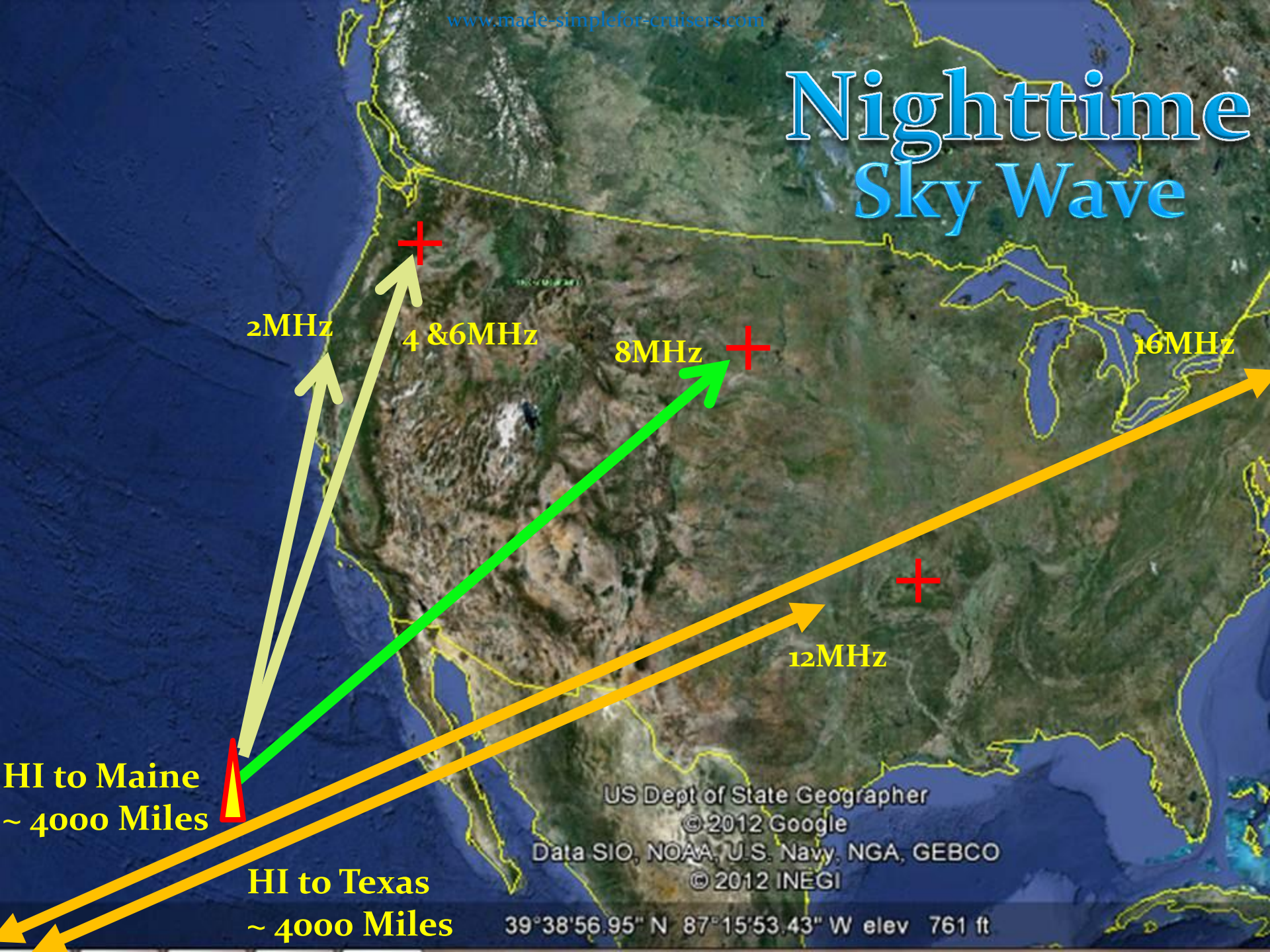
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39°38'56.95" N 87°15'53.43" W elev 761 ft



Nighttime Sky Wave



2MHz

4 & 6MHz

8MHz

16MHz

12MHz

HI to Maine
~ 4000 Miles

HI to Texas
~ 4000 Miles

US Dept of State Geographer

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If You Have DSC!

- It is important that you keep the radio on for other boaters!
- On the Icom IC M802, leaving the radio in the DSC Watch as DSC Watch is a quite mode.
 - In DSC Watch:
 - You can also Listen for Safety, Urgent, and Distress Calls.
 - You can Listen for Personal Calls from Friends.
- **Make Sure you have a DSC Antenna and your GPS are connected to the HF SSB radio!**

Other Critical Calls

- You can also use DSC for Urgent Calls.
 - The Engine will not start!
 - Some one aboard is very Sick or broke a leg!
- You can also Make and Receive Safety Calls
 - There is a log in the water at
 - Large Wave coming
 - Rock Exposed at

Calls to other Vessels

- You can Call your Friends on another boat using their MSSI number for VHF and HF with DSC.
- Make sure your MMSI is loaded in your radios.
- Put your MSSI on your Boat Card.
 - Its your phone number.