

Photo : Pelagic Data Systems



# Electronic Monitoring Update

October 27, 2021

## California Department of Fish and Wildlife



# Electronic Monitoring

How does CDFW define Electronic Monitoring?

- Equipment capable of recording and transmitting vessel location

What is NOT required under Electronic Monitoring?

- Camera Systems
- Gear Sensors
- RFID tags



# Requirements Under RAMP

Nov 2020 – July 2023

EM required for vessels when operating under specific management action(s):  
Depth constraint  
Alternative gear

Nov 2023 – onward

EM required for all vessels when participating in the commercial Dungeness crab fishery

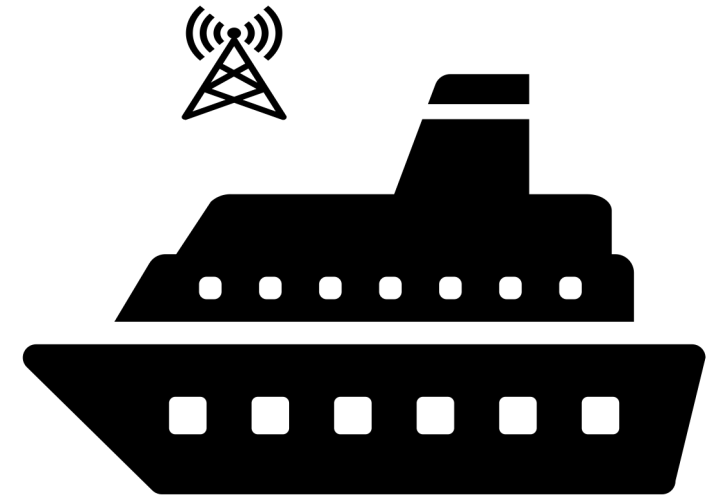
# Nov 2020 – July 2023



## Electronic Monitoring Requirements

*Frequency:* record vessel location using GPS coordinates at least 1 ping per minute

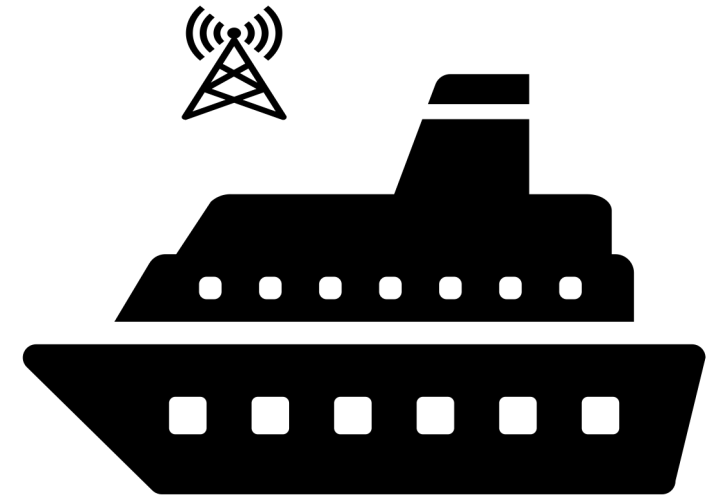
*Data Availability:* data must be made available to CDFW for season duration and 60 days thereafter



# Nov 2023 – onward



Same as Nov 2020 except data must be  
made available to CDFW within  
**72 hours** of request

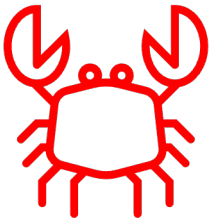


# Which Equipment Satisfies current RAMP Criteria?

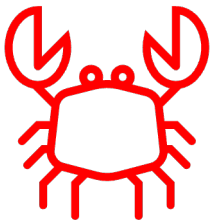


Equipment	YES	NO	Unknown
Solar loggers from pilot project	✓		
VMS		✓	
Plotters	✓		
Handheld GPS	✓		
AIS		✓	
PSMFC equipment trials			✓
WDFW equipment trials			✓

# Future EM Updates



Provide more specific requirements (e.g., data submission and formatting)



Consider delaying implementation until 2024-2025

# Preparing for EM



**RESPONSIBILITIES:** Equipment purchase and service agreements are paid by fishery participants, not CDFW.



**DO YOUR HOMEWORK:** Inquire directly with manufacturer on system capabilities to ensure alignment with RAMP requirements. Contact CDFW with any questions.



**TEAMWORK:** Potential for DCTF to directly reach out to vendors and seek funding opportunities before 2023 season begins.

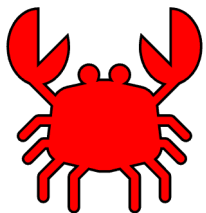




# Contacts

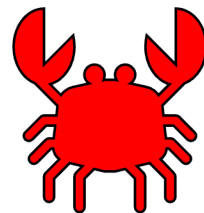
## Equipment

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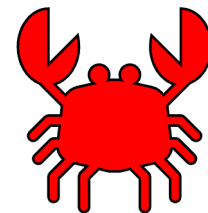
## Enforcement

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## RAMP

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A group of people, seen from behind, are sitting in a dark room looking at a large, bright blue screen. The screen displays a textured, wavy pattern. The people are wearing headsets, suggesting they are in a control room or a simulation environment. The room is dark, with the light from the screen illuminating the scene.

Thank You

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