



# **CDFW Update on Electronic Monitoring (EM)**

EC DCTF Call

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# Electronic Monitoring

What does EM mean for this project?

- Equipment capable of recording and transmitting vessel location

What is NOT being considered EM for this project?

- Camera systems
- Gear Sensors
- RFID tags

# Electronic Monitoring Requirements Under RAMP

## ***Nov 2020 – July 2023***

Electronic Monitoring required for vessels when operating under specific management action(s):

- Depth constraint
- Alternative gear

## ***Nov 2023 – onward***

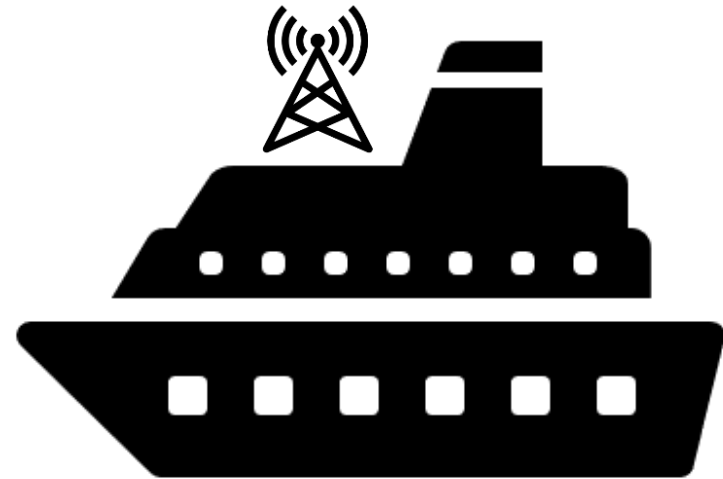
Electronic Monitoring required for all vessels when participating in the commercial Dungeness crab fishery

*Link to EM Regulations for RAMP are found on Whale Safe Fisheries website*

# 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



# What Equipment Fits RAMP Criteria?

## Yes

- Solar loggers tested under pilot program
- Plotters (only until 2023)

## NO

- Vessel Monitoring System (VMS)
- Handheld GPS

### *Reminders:*

- *This represents CDFW's understanding to date and is subject to change as new information becomes available.*
- *CDFW can't endorse specific equipment or brands*

# What Equipment Fits RAMP Criteria?

## Unknown

- PSMFC equipment trials
- WDFW equipment trials
- AIS

### *Reminders:*

- *This represents CDFW's understanding to date and is subject to change as new information becomes available.*
- *CDFW can't endorse specific equipment or brands*

# Finding EM Systems that Meet RAMP Requirements

- Regulations do not identify specific equipment because several systems will likely meet criteria
- Equipment purchase and service agreements are paid by fishery participants who need to research products, not CDFW
- Inquire directly w/manufacturer on system capabilities to ensure alignment w/requirements
- Potential for DCTF to directly reach out to vendors and seek funding opportunities before 2023 season begins
- Consider expansion of EM to meet future fishery needs (i.e., marking trap location of Alternative Gear)



# Future RAMP Updates for EM

- RAMP regulations for EM lack specificity which allows for fishery participants to help develop the most effective solutions.
- Lack of specificity has generated several questions:
  - Which equipment meets requirements?
  - How should data be formatted?
  - How to submit and transfer data?
  - What vendors can be used? Would it be supported by CDFW?
- Future revisions to RAMP regulations may update and provide more specific requirements for EM based on these efforts

# Next Steps

- Recommend including agenda item of update on EM at the next full DCTF meeting
- Request DCTF members work with their representatives to generate a list of questions in advance of the meeting for CDFW to address