

Digital monitoring of commercial fishing



Geospatial Position Reporting (GPR)



Electronic Reporting (E-logbooks)

This is a guide to help permit holders and fishers understand the draft circulars for “GPR” and “E-logbooks”

www.mpi.govt.nz > consultations > draft circulars
on digital monitoring of commercial fishing

- GPR

[Fisheries \(Geospatial Position Reporting Devices\) Draft Circular 2017](#)

- E-logbooks

[Fisheries \(Codes and Information\) Draft Circular 2017](#)

Have your say

- Closing Date: 21 Aug 2017
- Questions or submit your formal feedback?

futureofourfisheriesprogramme@mpi.govt.nz



GPR and E-logbooks will happen and give more detailed and real time data - What are the opportunities?

As Fishery Officers we will have new electronic tools. These help us work more efficiently and ensure compliance with rules and regulations.



As scientists we can do better research to support fish stock management.



What about you? We would like to hear your thoughts.



Reporting may get easier

As a commercial fisher, going digital will take time to get used to. Reporting catch may get easier compared to doing things on paper though.

A smart E-logbook will help auto-populate details for me.

An application where GPR and E-logbooks work together may give me smart information.

What else?



How do proposed GPR and E-logbooks impact your fishing operations?

Permit holders will be responsible for and must ensure that GPR and E-logbooks are in use

- What kind of GPR and Electronic recording do you use now?
- What additional information or support would be helpful for you to implement GPR and E-logbook changes?
- What information or support would be helpful for you to implement these changes?
- Tell us about ways how we may achieve that.
- For your method of fishing do you have any operational considerations to share?



Visuals for GPR and E-logbook

The following visuals:

- Are simplified stories
- Explain proposed GPR and E-logbooks for commercial fishing
- Cover basic and not all scenarios

Questions?

- futureoffourfisheriesprogramme@mpi.govt.nz

GPR - Vessel Fisher [1]



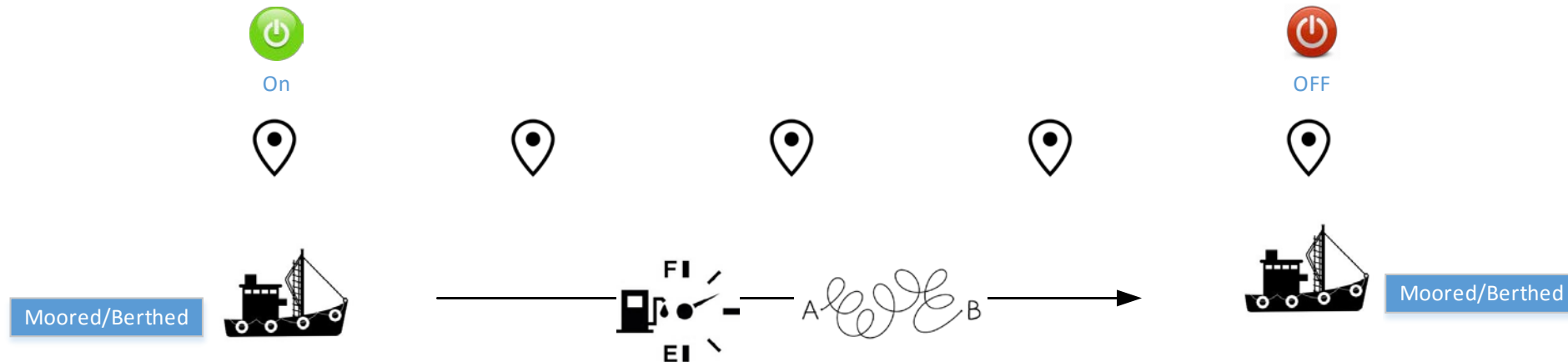
- GPR is switched on when vessel is powered on
- This includes for example when you get fuel or move around in the port
- GPR remains on for the entire time the vessel is at sea



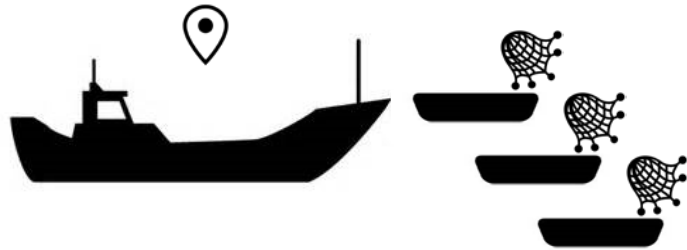
GPR - Vessel Fisher [2]



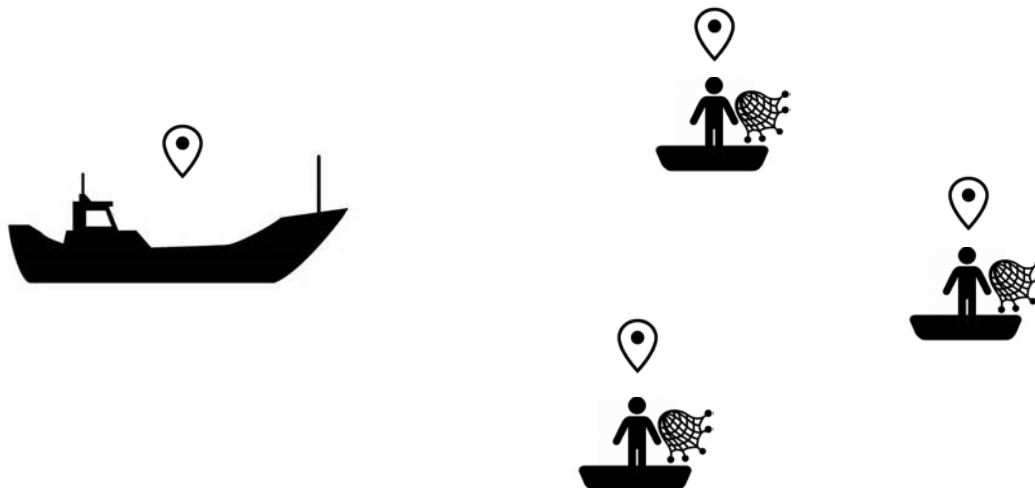
- GPR is switched on when vessel is powered on
- This includes for example when you get fuel or move around in the port
- GPR remains on for the entire time the vessel is at sea



GPR - Tender Fisher (detail)



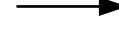
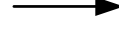
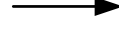
- GPR should be switched on for the entire time the tender is not tied to the mothership and the tender is being used for fishing



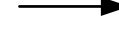
GPR - Trailer Vessel Fisher (detail)



- It is not 24/7
- GPR is switched on from when you collect your gear or trailer vessel and travel to your fishing spot
- GPR is switched off when you have stored gear or trailer vessel



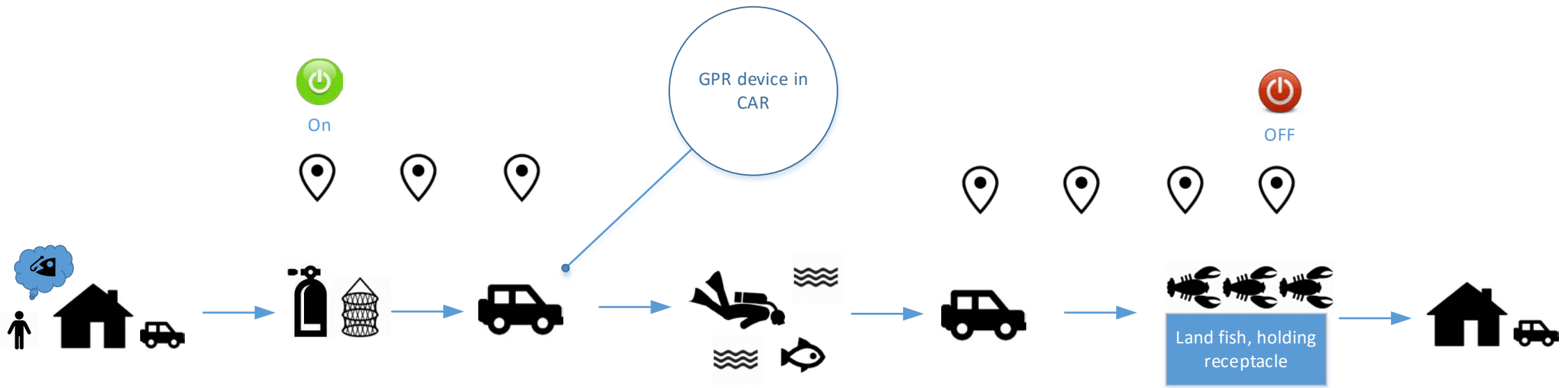
Land fish



GPR - Diver without vessel (detail)



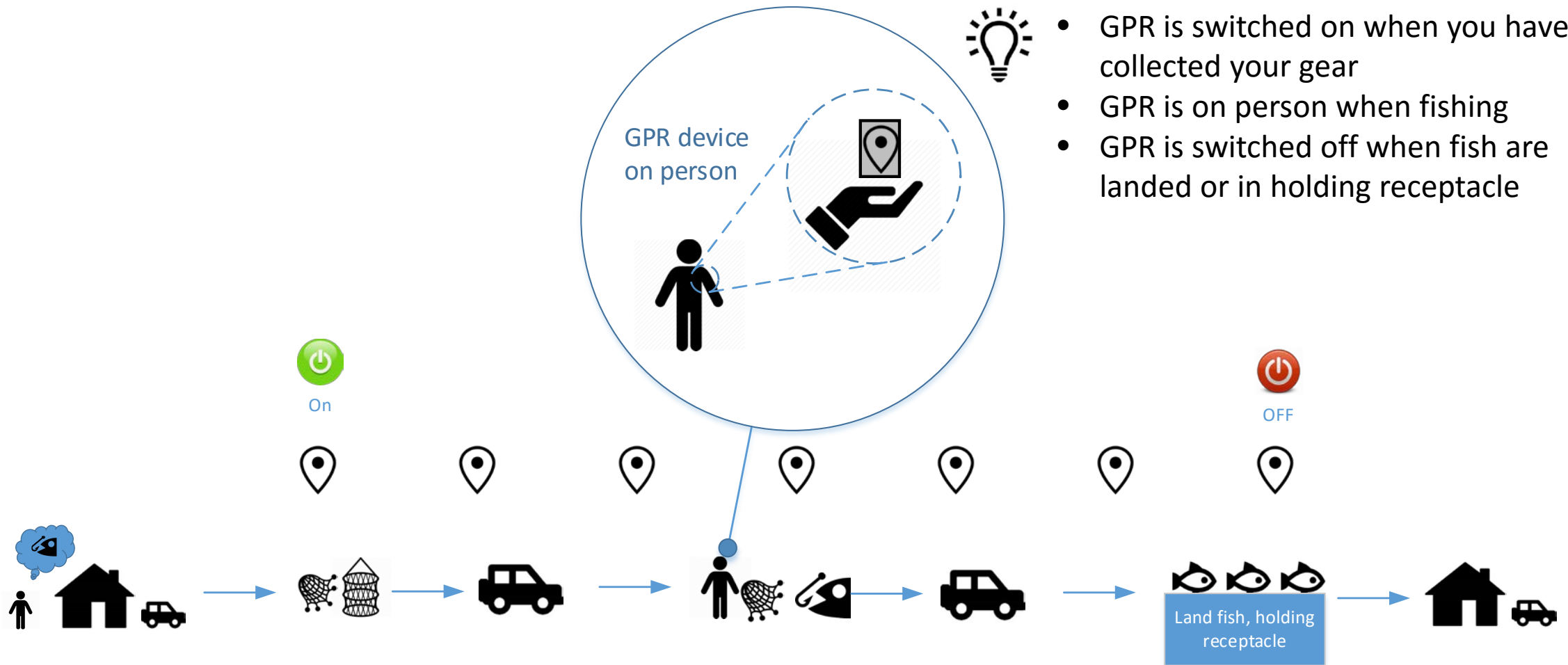
- GPR is switched on when you have collected your gear
- GPR can stay in car at fishing spot



GPR – Other Non Vessel Fisher (detail)



- GPR is switched on when you have collected your gear
- GPR is on person when fishing
- GPR is switched off when fish are landed or in holding receptacle





E-logbook

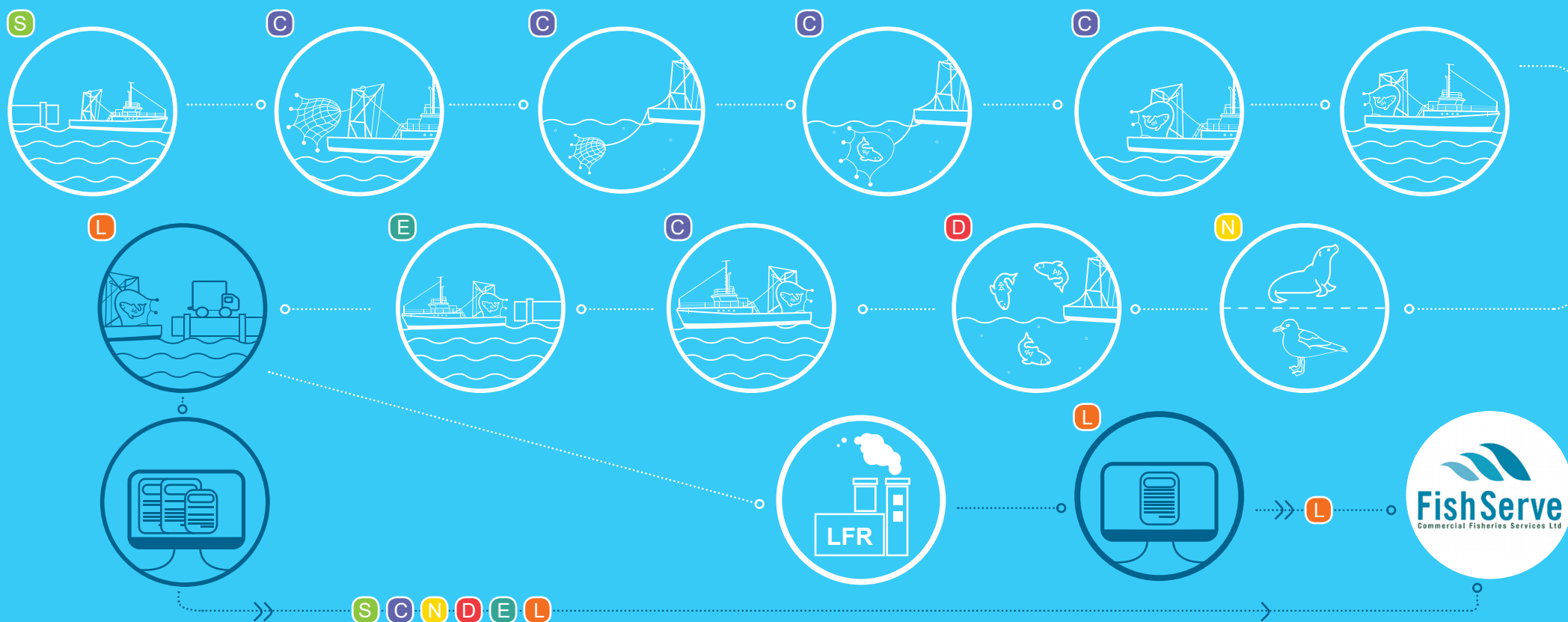
Proposed reporting changes with introducing E-logbooks:

- Record and report as you go
- More detailed (fine scale) reporting
 - Start and end positions for all fishing effort
- All catch taken is reported
 - Non quota species
 - Non fish protected species
 - Disposal
 - Fish below minimum legal size



E- Logbook

What does it look like for a day trawler from Timaru? Log as you go through your fishing activities. Every fishing activity is stamped with location and time.



S Trip Start record: Enter trip start details when leaving the port.

C Fish catch report:

- Enter location/time when shooting net
- Enter location/time when start bottom depth
- Enter location/time when end bottom depth
- Enter location/time when catch is hauled
- Enter estimated catch

N Non-fish species (NFS) report: Enter details.

D Disposal report: Enter what is returned to sea.

E Trip End record: Enter trip end details when arriving at the port.

L Landing report:

- Record inventory of what is landed
- **Receive green weight data** from a Licensed Fish Receiver (LFR) then **update your landing report** and send to FishServe.

S C N D E L

- Send (transmit) all reports by the end of the day to FishServe