

Draft Comparison of Systems Certified to Submit Electronic Vessel Trip Reports

| Name | Organization | Basic Equipment Needed | Optional Equipment | Mobile Version | On-the Water Data Entry/ Storage Without Internet Connection? | Cost | Training |
|--|---------------------|-------------------------------|--|--|--|---|---|
| Dynamic Data Logger | Olrac | Tablet or PC | | Windows 10 Devices | Yes | Annual license for basic eVTR; extra features additional. | In-person, On-line Webinars, Skype, etc. Interactive user manuals once the software is installed. |
| FACTS - Fishing Activity and Catch Tracking System | Electric Edge | Tablet or PC | GPS device to make acquiring coordinates easier and less error prone | Mobile app being developed; web-based data entry if internet connection is available | Yes (desktop version works offline; mobile application in development) | monthly or annual fee | In-person possible with local support team; On-line Webinars, |
| eTRIPS/mobile | ACCSP | Tablet | Mounting system ; Power or power converter | Windows 10, Apple iOS, Android, Windows Mobile | Yes | Free | Online video http://accsp.org/electronic-trip-reporting ; In-person training; On-line Webinars |

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| eLog | Ecotrust Canada | PC (Windows), Apple Computer, Tablet, Smart Phone | Ecotrust Canada Electronic Monitoring system required; after mobile app is finished then just a mobile device. | Windows XP, Windows 7, Windows 10, Apple iOS, Android, Windows Mobile (when completed) | Web browser based. The interface on the vessel is served from our EM box as a webpage. | eLog costs are included in standard electronic monitoring service. Stand-alone cost will be finalized after mobile app is complete. | In-person training |
| FLDRS | NOAA | No information received | | | | | |
| All systems store and can retrieve reports for 3 or more years (an enforcement requirement) and have a reporting function and a “summary report” listing dates, times, confirmation numbers, etc. for reports that are submitted. | | | | | | | |

Olrac DDL is a touch-screen ready eLog application that captures any fishing related data in real time and/or after the fishing activity took place. Data collected can be compiled into reports in a variety of formats such as: XML, CSV, text, PDF, HTML, etc. The Olrac eLog verifies and validates all reports before sending them. It keeps a complete log of all collected and sent information and tracks any changes to data entered or reports sent. It also includes complete integration to EM systems if they are installed on board. It includes a variety of added value functionality for fishers utilising a built in mapper utility (GIS) which allows a user to explore fishing performance under a variety of filtering and grouping scenarios. A version of the software is presently used on 100's of vessels all around the world and is a well tested and mature system. Our eVTR system is already certified by NOAA.

FACTS is far more than just an electronic logbook as is being discussed in this survey. It is intended to provide for the data collection and reporting around ALL aspects of a fishing trip. Essentially we provide fishery IT department in a box. All data reported via FACTS is available in our central website (via reports and in downloadable formats for personal Record keeping) so that it is clear what has been submitted to whom (NMFS or otherwise) and when. Wherever possible we allow for revisions to previously submitted data to allow for easy corrections (as long as those revisions do not break business rules of the fishery). All revisions are identified in our central website, so it is clear what was changed and when. As part of our regular fee, we handle all regulatory changes that require changes to be made to the system for free. When we can work with a group of vessels (which allows for broad discussions about changes/enhancements to FACTS as opposed to individual conversations) we will add/modify reports and make enhancements based on feedback for free. We have a great deal of flexibility in our pricing and use that flexibility to come up with a fee that makes sense for the fishery and the participants. As a side note, Electric Edge has recently completed a report for NOAA that analysed federal commercial fishery dependent data collection in all regions and suggested ways in which those efforts could be modernized to make data collection far less error prone and reduce the burden of reporting on fishers. We are both fishery and systems experts with over 15 years of experience. If anyone has any questions, please e-mail them to bryan@fisheryfacts.com, call Bryan (the owner) at 1-250-920-8830, or visit our site at fisheryfacts.com

eTRIPS/mobile developed in conjunction with charter captains; Please contact any Captains that currently use the system to get their direct feedback. The system was built by For Hire Captains and required years of feedback and development from them. We continue to get feedback from users and their thoughts and considerations are taken into account making the product better.

eLog - Our system has been developed and updated with direct input from the fishermen that use it and we perform updates to continuously improve the usability and user experience.