



Cost of electronic reporting options used in commercial elogbook pilot

Southeast Fisheries Science Center





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- Hardware costs
 - current
 - primary devices
 - supporting devices
 - Pilot
- Software costs
- Total costs per vessel
 - Laptops and some tablets
 - iPads
- Data Transmission (no extra anticipated cost)
 - WiFi, Cellular, ISP (home)
- Total costs summary





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Hardware used in pilot

• Dell Latitude e6530: \$300-\$400

Apple iPad2: \$210

Comparable hardware

• HP - 15.6" Laptop / AMD A6-Series \$270

• ASUS X550ZA \$540

• iPadPro \$800-\$1200

Latitude 15 5000 Series \$1169

Panasonic Toughbook (New) \$1200





Supporting hardware used in pilot

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•	GlobalSat BU-353-S4 USB GPS Receiver	\$30
•	Garmin 18x USB GPS Navigator Unit	\$72

USB Booster Extension \$10

wiring, Velcro, external charging outlets, etc. \$10-\$30

Total Hardware Costs per Vessel for eLog Pilot

OAA	Computer (time of purchase)	USB-GPS Receiver	Misc. Hardware	Installation Costs (3-4 hrs)	Total Hardware/Install
SHERIES SEFSC	Dell Latitude				
SEFSC	\$1100	\$50	\$30	\$200	\$1380
	iPad2				
	\$629	\$0	\$50	\$0	\$679

- iPad2 utilizes internal GPS, no wiring needed
- Laptops can be wired to existing onboard GPS/Chart plotter, but may accrue additional installation costs
- Pilot iPads were distributed with \$50 waterproof case



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3rd parties provide eLog software ACCSP (eTrips), Electric Edge, Olrac, ...

eLog licensing fees

- Licensing costs for eLogs will vary by vendor
- Licensing Costs here reflect estimates provided to the SEFSC and current market options
- Most vendors offer discounted licensing costs for bulk purchases







Laptop cost range: hardware & software

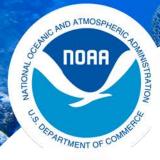
Low end hardware				
Yearly License \$	Hardware & Install \$	Total Cost / Vessel \$		
0	400	400		
700	400	1100		
1300	400	1700		

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High end hardware				
Yearly License \$	Hardware & Install \$	Total Cost / Vessel \$		
0	1380	1380		
700	1380	2080		
1300	1380	2680		



iPad/Tablet Costs

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Yearly	iPad2	Cost per
License	Costs \$	Vessel
0	679	679

- iPads used in the pilot utilized the eTrips¹ application \$0
- eLog reports generated on iPad/tablets can be submitted directly over 3G/4G cellular networks
- eTrips does not meet current SEFSC eLog reporting standards- additional development planned





Data Transmission

- During pilot nearly all logbooks submitted though WiFi or physically connecting to network
- Logbooks can also be submitted via 3G/4G cellular network –utilizes data plan
- When at-dock transmission (WiFi etc.) is not available, trip reports can be saved to portable hard drive and transmitted through land based internet network



Cost Summary



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	Hardware	Yearly License	Hardware/Install	Cost Per Vessel \$
1 st year	Laptop (Lo)	0	400	400
1 st year	Laptop (Hi)	1300	1380	2680
1 st year	iPad2	0	679	679
1 st year	CLS/VMS	819	2249	3068
years 2+	Laptop (Lo)	0	0	0
years 2+	Laptop (Hi)	1300	0	1300
years 2+	iPad2	0	0	0
years 2+	CLS/VMS	759	0	759

