Science, Service, Stewardship



Integrated Reporting: Definition and Benefits

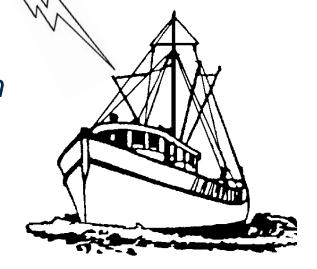
January 2, 2014

NOAA FISHERIES SERVICE



Reporting Today – Step 1

VMS Trip Declaration





Reporting Today – Step 2

Ó**o**

<u>Subtrip</u> vessel logging using <u>IDs different</u> <u>from VMS. Vessel</u> <u>ID and dates</u> <u>manually entered.</u>



Reporting Today – Step 3

Observer <u>manually</u> enters data including <u>trip ID,</u> <u>vessel ID, and</u> <u>dates.</u>



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Reporting Today – Step 4





Reporting Today – Step 5

Dealer <u>manually</u> enters <u>vessel ID</u>, <u>trip ID, and</u> <u>landing date</u> into dealer report







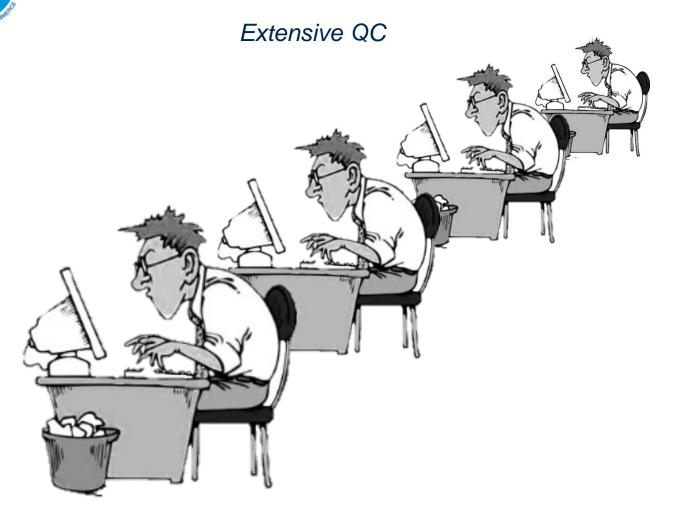
Reporting Today - Step 7

Report Matching Note different trip ID numbering systems. Vessel log entries are subtrips. Match by trip ID, vessel ID, dealer ID, or date?

VMS Data	Vessel Logs		Observer Reports	Dealer Reports
VD1	VL1		OR1	DR1
VD2	VL2	~	OR2	DR2
VD3	VL3		OR3	DR3
VD4	VL4		OR4	DR4
VD5	VL5		OR5	DR5
VD6	VL6		OR6	DR6
VD7	VL7		OR7	DR7
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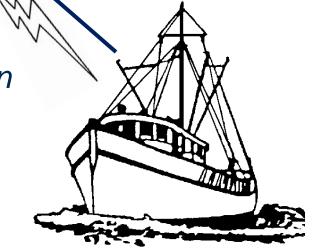
Reporting Today – Step 8





Integrated Reporting - Step 1

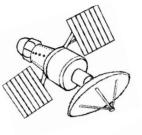
VMS Trip Declaration



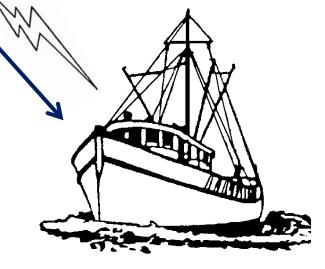
Activity Code

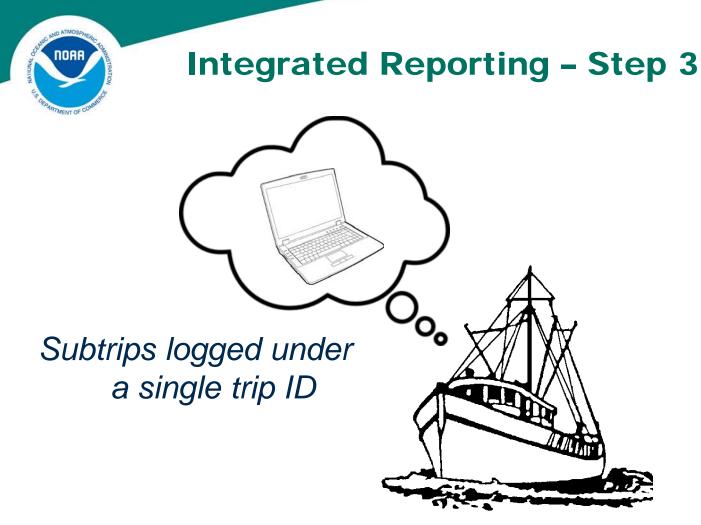


Integrated Reporting – Step 2



Trip ID transmitted from VMS to electronic vessel log. Date and vessel ID auto-generated by vessel log.







Integrated Reporting - Step 4

Observer electronic reporting system acquires trip data.



Electronic

vessel

logbook

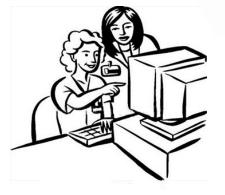


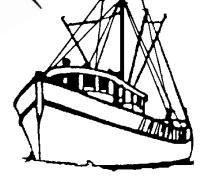
Integrated Reporting – Step 5 Error case

Integrated Reporting Web App

Intent to sell Trip ID Vessel ID Landing Date Vessel arrives at dealer A but declares intent to sell to dealer B







Dealer B

Dealer A

NOAA

Integrated Reporting – Step 6 Error case

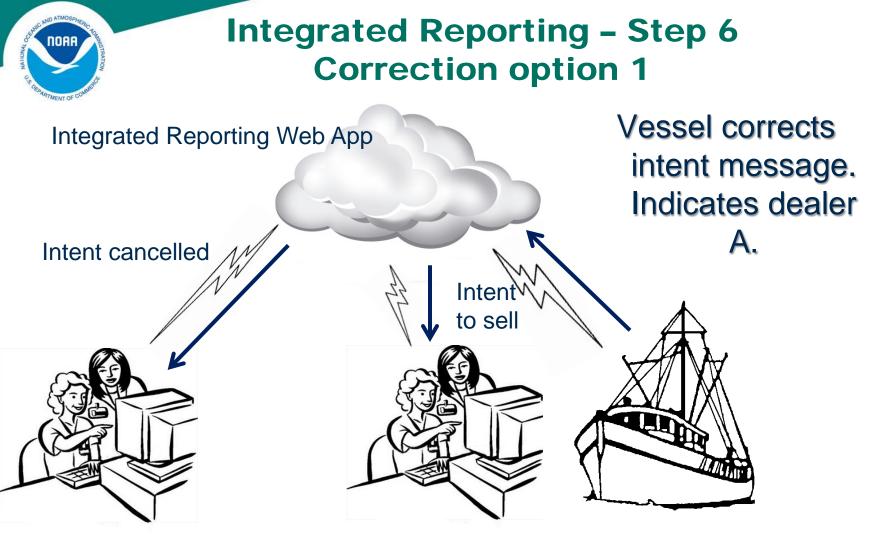
Integrated Reporting Web App

Upon attempt to sell, dealer informs vessel operator that no intent notice was received.

Dealer B



Dealer A



Dealer B

Dealer A

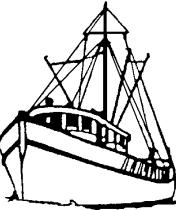


Integrated Reporting – Step 6 Correction option 2

Integrated Reporting Web App

Vessel sells to dealer B.

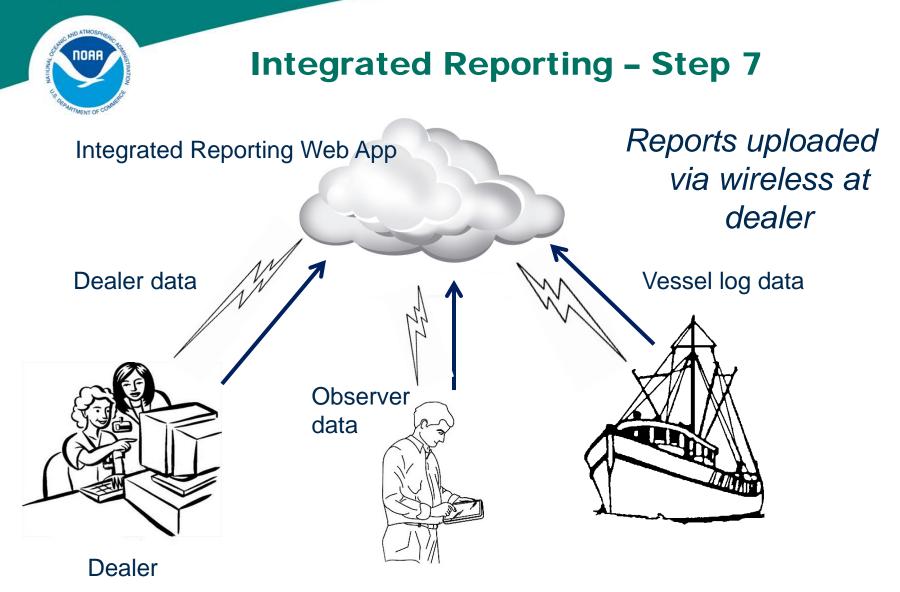






Dealer A

Dealer B





Two Realizations of Integrated Reporting

- 1. All data is written to a single report via the web app
- 2. Logical equivalent: subsystems communicate the following information directly to each other
 - 1. Trip ID
 - 2. Vessel ID
 - 3. Dealer ID
 - 4. Trip dates



- The integrated reporting concept is derived by identifying the sources of errors in reporting systems and preventing each of these errors.
- Errors become nearly impossible to generate
- Important side benefits
 - Near real time
 - Major cost savings in QC
 - Saves effort for reporters due to data not entered
 - Matching step is trivial or can be eliminated altogether