

*Science, Service, Stewardship*



# Sector Manager's Report

**What's Needed**

**What are the Challenges**

**June 10, 2009**

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Northeast Region

**NOAA  
FISHERIES  
SERVICE**



# Reporting Systems

1. Vessel Trip Reports
2. Landings (Dealer) Reports
3. Vessel Monitoring System
4. Observer Program



Current  
Systems



5. Hail-in / Hail-out
6. Dockside Monitoring
7. At-Sea Monitoring
8. Sector Managers Reports



New  
Systems



# Current Vessel Reporting Requirements

- Complete report for each fishing trip
- Separate forms for each gear, mesh, and statistical area fished
- Reports to be completed before the vessel docks
- Reports for all trips in a month to be received 15 days after the end of the month
- Null report if no fishing trips were taken
- Call-in system (IVR) for tilefish, herring & red crab



# Current Dealer Reporting Requirements

- Electronic reports for all transactions by species
- Due by Tuesday midnight for transactions in previous week



# Current Vessel Monitoring System

- All groundfish permitted vessels fishin under a DAS
- Daily catch reporting in eastern Georges Bank (US/CAN)
- Operated by Office of Law Enforcement / Silver Spring
- Delivery of vessel location information by 2<sup>nd</sup> party vendor



# Current Data Elements

Data Element	Source			Data Element	Source		
	Vessel	Dealer	VMS		Vessel	Dealer	VMS
<b>VTR Serial Number / Trip Identifier</b>	X	X	X	Gear Fished	X		
Vessel Name	X	X	X	Mesh / Ring Size	X		
Vessel Permit No.	X	X	X	Size of Gear	X		
Dealer Name	X	X		Quantity of Gear	X		
Dealer Permit No.	X	X		Number of Sets / Hauls	X		
Date Sailed	X		X	Tow / Soak Time	X		
Time Sailed	X		X	Area Fished	X		X
Date Landed	X		X	Lat / Long or Lorans	X		X
Time Landed	X			Depth	X		X
Port Landed	X	X	X	Species / Market Category	X	X	X
Date Sold/Purchased	X	X		Quantity Kept / Purchased	X	X	X
Operator Name	X			Quantity Discarded	X		X
Operator Permit No.	X			Unit of Measure			
Date Signed	X			Purchase Price		X	
Number of Crew	X						



# Issues with Current Systems

## **Dealer Reports**

- Timeliness
- No fishing locations
- Match-up with IVR reports
- Match-up with VTR

## **VMS**

- Transmission downtime
- Difficult to use to determine fishing vs travel time
- Trip definition
- Matching with VTR & DR

## **Vessel Trip Reports**

- Timeliness
- Trip level information
- Spatial resolution
- Discard information
- Match-up with Dealer Reports



# Changes Needed to Current Systems

## **Dealer reports**

- Improve match up with other systems (Trip ID)
- Timeliness & completeness of submissions
- Continuous improvements of reporting accuracy

## **Vessel Trip Reports**

- Switch to weekly reporting
- Phase in e-reporting
- Phase out paper reporting
- Improve linkage to other systems
- Continuous improvements of reporting accuracy

## **VMS (EN)**

- Switch to Sirius IT in July
- Increase availability and access

[http://www.siriusit.com/solutions/fishery\\_solution.aspx](http://www.siriusit.com/solutions/fishery_solution.aspx)

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## Sector Reports

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NOAA



# Weekly Sector Report

- Weekly report format & data elements
- Resolution of discrepancies between NMFS data and sector reported data for previous weeks
- Coordination of data auditing with Sector Managers, FSO and NEFSC
- Evaluation criteria



# Weekly Sector Report Content

Weekly Sector Report									
Week ending date	Stock Area	Species	Gear	# of fishing trips completed	Landing		Discard	Total (live wt)	Update (Y/N)
					Reported wt	Live wt	Live wt		
					(lb)	(lb)	(lb)		
8-May-10	Georges Bank	Cod	Gear 1						
		Cod	Gear 2						
		Haddock	Gear 1						
		Haddock	Gear 2						
	Gulf of Maine	Cod	Gear 1						
		Cod	Gear 2						
		Pollock	Gear 1						
		Pollock	Gear 2						

Weekly Sector Summary Report							
Week ending date	Stock Area	Species	Total # of fishing trips completed	Total Landing		Total Discard	Total (live wt)
				Reported wt	Live wt	Live wt	
				(lb)	(lb)	(lb)	
8-May-10	Georges Bank	Cod					
		Haddock					
	Gulf of Maine	Cod					
		Pollock					



# Weekly Sector Report Content

## Cumulative Sector Report

Week ending date	Stock Area	Species	# of fishing trips completed	Landing		Discard	Total	Percent of ACE	ACE Remaining
				Reported wt	Live wt	Live wt			
				(lb)	(lb)	(lb)			
May 1, 2010 - Week ending date	Georges Bank	Cod							
		Haddock							
	Gulf of Maine	Cod							
		Pollock							



## Weekly Sector Report (continued)

- List of Vessels landing during week
- Summary of Dockside Monitoring effort
  - Vessels monitored, date & location
  - Discrepancies observed
- Reports due by noon on Thursday for previous week



# Weekly Sector Report - Evaluation

- An option to turn into daily report at 90% of ACE.
- Significant discrepancy (based on paired t-test of critical data elements at  $P \leq .05$ ) within a week between sector data and NMFS data will call for a side-by-side audit to reconcile the differences.

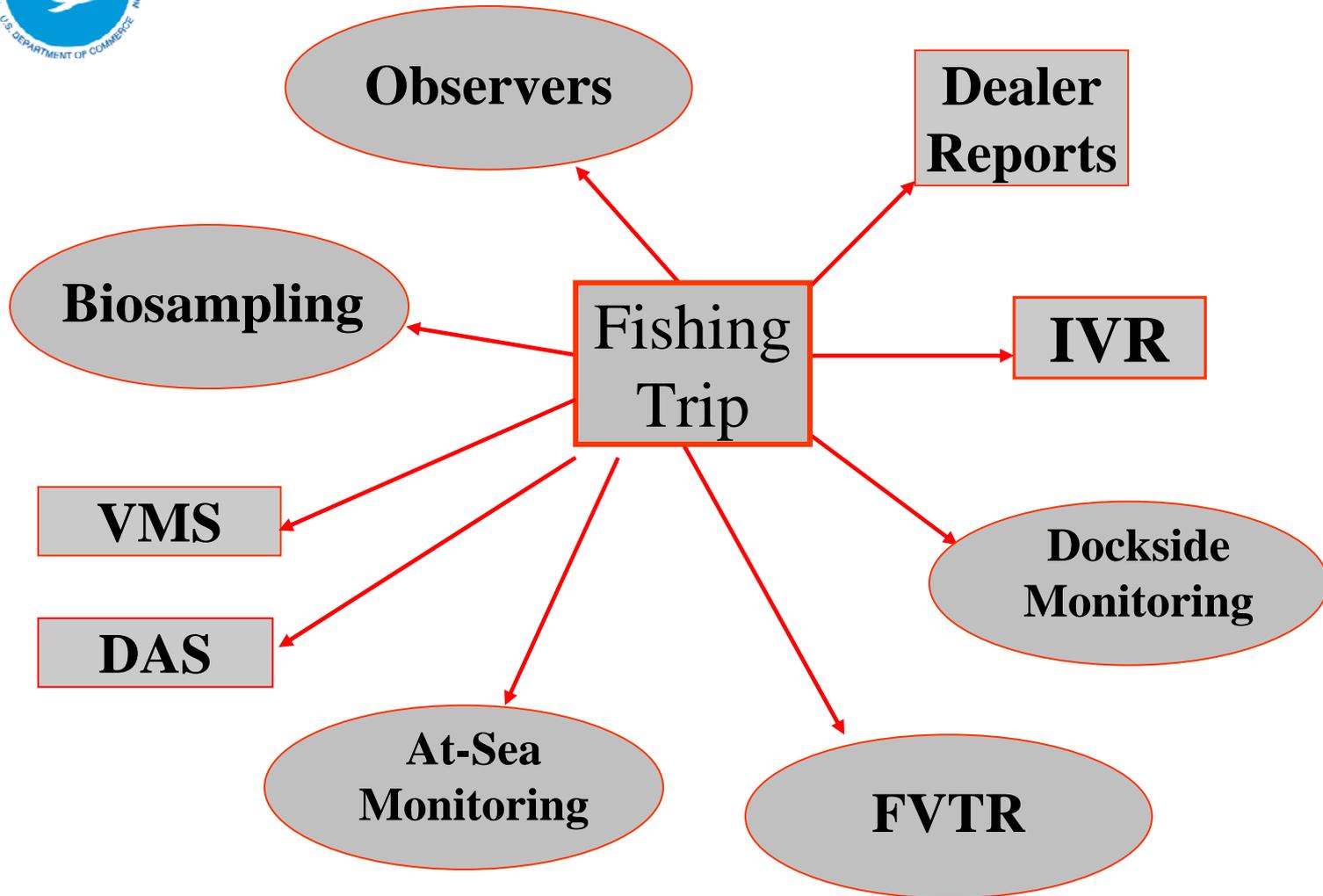


## Detailed Sector Data

- Dealer Transaction Reports – available to Sector Managers by Wednesday 12:00 for previous week
- Vessel Trip Reports – copy of completed report to be provided by vessel operator to Dockside Monitor. DM Provider submits reports to Sector Manager (frequency determined by Sector Operation Plan)
- Dockside Monitoring

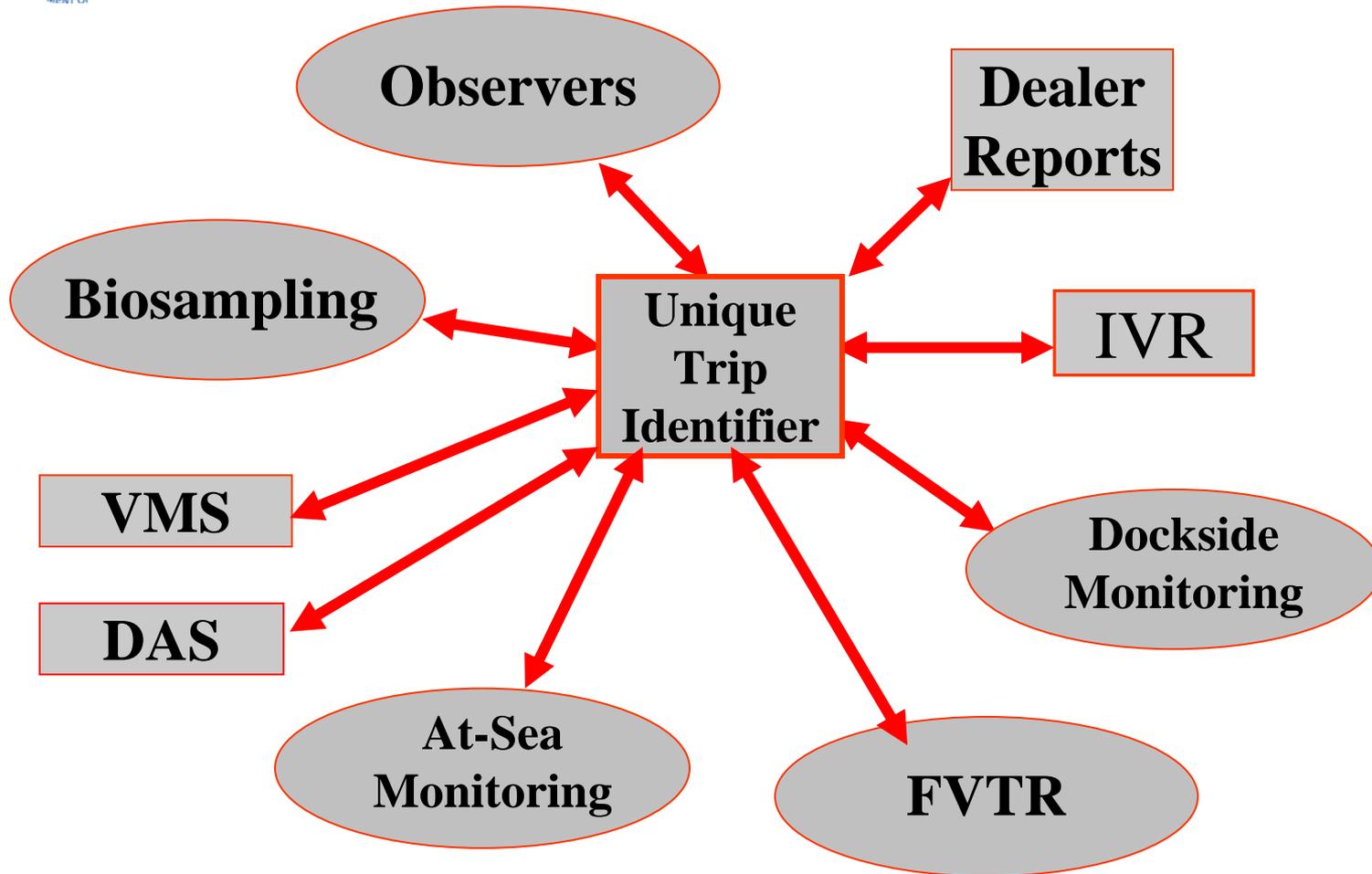


# Data Collection Model





# Data Collection Model





# Proposed Schedule

Jun – Aug 2009

- Workshop I & II
- Finalize Operations Plan

Sep – Dec 2009

- Develop and test data delivery applications
- Develop data auditing standards requirements
- Develop sector accounting system
- Pilot Test Dockside Monitoring protocol

Jan – Feb 2010

- Deliver test data to Sector Managers
- Finalize Dock Monitoring Protocol

March – April 2010

- Final test of all applications & data delivery systems

May 2010

- Initiate Sector Operations
- Deliver Managers Reports

June – August 2010

- Monthly Data Review Workshops with Sector Managers



# Challenges

## **Primary Data Collection Programs**

- Processing errors
- Reporting errors
- Accuracy of reports
- Missing/incomplete VTRs
- Missing/incomplete Dealer Reports
- Hail-in / no Hail-out; no Hail-in or Hail-out
- VMS track without Hail-in/out or VTR
- Coordinating data auditing & maintaining a Master Copy of all data



# Single Most Important Data Element

**Improve the recording of  
the Unique Trip  
Identifier across data  
collections**



# Questions?