SAFMC – Pilot Program

April 5, 2017

Note: the tables below were provided by Amy Dukes, through the South Atlantic Fisheries Council. It is a work in progress.

As we move forward with a quick turnaround, the SAFMC-Pilot group has agreed to start the pilot by investigating the existing ACCSP eTRIPS/mobile app.

The chart below has been annotated to note how the fields required by SAFMC correspond (if at all) to the existing eTRIPS/mobile fields.

Core data elements – May 11, 2016

Table 1. comparing data collected by the SE Heaboat Survey, the SC for hire survey, and the proposed core variables for the charter reporting amendment.

TYPE	Headboat Existing	SC For-HIRE existing	Proposed CORE variables	ACCSP eTRIPS/mobile	Why CORE?
TRIP	Depart Date:Time	Trip Date	Start Date	Start (automatically populated when data entry intiated) – may be edited	Identification, link to possible observer report or bio sample report, or future set level detail reports. End location designates landing point, may be important if regional allocations are implemented, and validation
		Start Time	Start Time	Automatically populated when data entry initiated – may be edited	
	Return Date:Time		End Date	End - automatically populated when data entry submitted) – may be edited	
			End Time	automatically populated when data entry submitted) – may be edited	
		Start Location	Start Location	Port (derives fips_place_code)	
		Trip Number	End Location	App generate VTR number (trip number)	
ID	Vessel Name		Vessel ID (name, Lic#)	Vessel Name, Coast Guard # or State Reg # (from this, the app derives vessel_id)	
	Captain Name	License number	Captain ID (name, Lic#)	Permit (aka License nbr) – from this, the app can derive participant name, etc)	
Effort	Number of Anglers	Number Anglers	Number of fishermen	Angler count	Effort, reg compliance evaluation, S-E value
	Number of Paying				

	Passengers				
	Number of Crew		Number of crew	Crew count	
		Method	Method (general - troll, bottom, spear etc)	Gear type	ID trips for CPUE, reg evals etc
		hours fished	Hours fished	Derived based on effort start/end	Effective effort
DEPTH	min depth				Important to discard mortality.
	max depth				
		Primary (or range)		Currently primary per effort	
Location	10x10	Location, 10x10 minimum	Same as HB system	Either Lat/Lon in Degrees and Minutes or click on an interactive map	Many uses for the "where" info
	Locale				
	Reef				
Catch	Species	Species		Species (derives, species_itis)	For catch report
	number kept	Number kept (by spp)		Quantity/disposition	Catch report
	# rel Live	# released (by spp)		Quantity/disposition	# released
	# rel dead			Quantity/disposition	
	target species	Target, as categories		Target species (listed in effort) – currently, not in use but included in DB design per NC request. It is part of efforts.	Will be species categories/groups once implemented
Econ	Fuel used		Fuel used	Fuel used	
	Price per gallon		Price per gallon	Price per gallon	
			Cost of trip (charter fee)	Cost of trip (charter fee)	

Additional fields collected in eTRIPS/mobile	Possible values
Trip type	Commercial or For-Hire
Fishing mode	Jetty, bridge, beach, headboat, charterboat,etc
Gear size	Stretch/mesh
Gear quantity	
Effort start/end	Automatically populated (may be edited)
Species measurement	
Species disposition	kept, discard, food, bait, etc
Catch source	Standard, aquaculture, carred, research-set-aside
Sale disposition	No sale/discarded, kept, sold to dealer, etc

Other Considerations

SAFMC Other Consideration	ACCSP comment/question
Split Trip Reporting: Allow an angler to provide multiple reports on effort, methods, targets and catch for one overall trip. Requested by some during public hearings, based on the example of a trip that primarily trolls for dolphin/tuna and also bottom fishes on the way out	eTRIPS/mobile is designed to allow multiple efforts per trip.
Use of descenders and perhaps venting: Could be used to better define discard mortality. Should consider whether it will be useful reported on every trip or if it should be part of a discard supplement. **NOTE: A suggestion was made at the Snapper-Grouper AP to collect information on descender device usage.**	
Depth: Depth is important to discard mortality rates, but reporting at the trip level is not generally considered useful to truly refine rates. A major issue is that vessels can cover a range of depths in a trip, and there is no way on a trip report to know which species or how much of the catch is taken at the reported depth. It is possible that information equivalent to a 'primary' depth fished could be derived from the reported location. One option considered is having depth range categories in a drop down menu, with ranges perhaps based on barotrauma (e.g., under 100, 100 to 150, beyond 150). Will still suffer in areas where the bottom drops sharp and fishermen can cover the range in a trip.	The field AVG_DEPTH_IN_FATHOMS was included in the db design per request of NC. It has not been implemented in any production applications, however it could be.