but are not limited to, length measurements of fish and the collection of age structures such as otoliths or scales.

[61 FR 34968, July 3, 1996, as amended at 61 FR 43425, Aug. 23, 1996; 61 FR 58465, Nov. 15, 1996; 62 FR 14646, Mar. 27, 1997; 63 FR 52640, Oct. 1, 1998; 63 FR 58329, Oct. 30, 1998; 64 FR 57593, Oct. 26, 1999; 65 FR 1569, Jan. 11, 2000; 65 FR 45851, July 26, 2000; 65 FR 60895, Oct. 13, 2000; 65 FR 77465, Dec. 11, 2000; 66 FR 49144, Sept. 26, 2001; 67 FR 3444, Jan. 24, 2002]

§ 648.8 Vessel identification.

(a) *Vessel name and official number.* Each fishing vessel subject to this part and over 25 ft (7.6 m) in registered length must:

(1) Affix permanently its name on the port and starboard sides of the bow and, if possible, on its stern.

(2) Display its official number on the port and starboard sides of the deckhouse or hull, and on an appropriate weather deck so as to be clearly visible from enforcement vessels and aircraft. The official number is the USCG documentation number or the vessel's state registration number for vessels not required to be documented under title 46 U.S.C.

(b) *Numerals.* Except as provided in paragraph (d) of this section, the official number must be displayed in block arabic numerals in contrasting color at least 18 inches (45.7 cm) in height for fishing vessels over 65 ft (19.8 m) in registered length, and at least 10 inches (25.4 cm) in height for all other vessels over 25 ft (7.6 m) in registered length. The registered length of a vessel, for purposes of this section, is that registered length set forth in USCG or state records.

(c) *Duties of owner.* The owner of each vessel subject to this part shall ensure that—

(1) The vessel's name and official number are kept clearly legible and in good repair.

(2) No part of the vessel, its rigging, its fishing gear, or any other object obstructs the view of the official number from any enforcement vessel or aircraft.

(d) *Non-permanent marking.* Vessels carrying recreational fishing parties on a per capita basis or by charter must use markings that meet the above requirements, except for the requirement that they be affixed permanently to the vessel. The non-permanent markings must be displayed in conformity with the above requirements.

(e) *New Jersey surf clam or ocean quahog vessels.* Instead of complying with paragraph (a) of this section, surf clam or ocean quahog vessels licensed under New Jersey law may use the appropriate vessel identification markings established by that state.

§ 648.9 VMS requirements.

(a) *Approval.* The Regional Administrator will annually approve VMSs that meet the minimum performance criteria specified in paragraph (b) of this section. Any changes to the performance criteria will be published annually in the FEDERAL REGISTER and a list of approved VMSs will be published in the FEDERAL REGISTER upon addition or deletion of a VMS from the list. In the event that a VMS is deleted from the list, vessel owners that purchased a VMS unit that is part of that VMS prior to publication of the revised list will be considered to be in compliance with the requirement to have an approved unit, unless otherwise notified by the Regional Administrator.

(b) *Minimum VMS performance criteria.* The basic required features of the VMS are as follows:

(1) The VMS shall be tamper proof, i.e., shall not permit the input of false positions; furthermore, if a system uses satellites to determine position, satellite selection should be automatic to provide an optimal fix and should not be capable of being manually overridden by any person aboard a fishing vessel or by the vessel owner.

(2) The VMS shall be fully automatic and operational at all times, regardless of weather and environmental conditions, unless exempted under paragraph (c)(2) of this section.

(3) The VMS shall be capable of tracking vessels in all U.S. waters in the Atlantic Ocean from the shoreline of each coastal state to a line 215 nm offshore and shall provide position accuracy to within 400 m (1,300 ft).

(4) The VMS shall be capable of transmitting and storing information including vessel identification, date, time, and latitude/longitude.

(5) The VMS shall provide accurate hourly position transmissions every day of the year unless exempted under paragraph (c)(2) of this section. In addition, the VMS shall allow polling of individual vessels or any set of vessels at any time and receive position reports in real time. For the purposes of this specification, ''real time'' shall constitute data that reflect a delay of 15 minutes or less between the displayed information and the vessel's actual position.

(6) The VMS shall be capable of providing network message communications between the vessel and shore. The VMS shall allow NMFS to initiate communications or data transfer at any time.

(7) The VMS vendor shall be capable of transmitting position data to a NMFS-designated computer system via a modem at a minimum speed of 9600 baud. Transmission shall be in a file format acceptable to NMFS.

(8) The VMS shall be capable of providing vessel locations relative to international boundaries and fishery management areas.

(9) The VMS vendor shall be capable of archiving vessel position histories for a minimum of 1 year and providing transmission to NMFS of specified portions of archived data in response to NMFS requests and in a variety of media (tape, floppy, etc.).

(c) *Operating requirements.* (1) Except as provided in paragraph (c)(2) of this section, or unless otherwise required by § 648.58(h), all required VMS units must transmit a signal indicating the vessel's accurate position at least every hour, 24 hours a day, throughout the year.

(2) *Power Down Exemption.* (i) Any vessel required to have on board a fully operational VMS unit at all times, as specified in paragraph (b)(2) of this section, is exempt from this requirement provided:

(A) The vessel will be continuously out of the water for more than 72 consecutive hours; and

(B) A valid letter of exemption obtained pursuant to paragraph (c)(2)(ii) of this section has been issued to the vessel and is on board the vessel and the vessel is in compliance with all conditions and requirements of said letter.

(ii) *Letter of Exemption*—(A) *Application.* A vessel owner may apply for a letter of exemption from the operating requirements specified in paragraph (c)(1) of this section for his/her vessel by sending a written request to the Regional Administrator and providing the following: Sufficient information to determine that the vessel will be out of the water for more than 72 continuous hours; the location of the vessel during the time an exemption is sought; and the exact time period for which an exemption is needed (i.e., the time the VMS will be turned off and turned on again).

(B) *Issuance.* Upon receipt of an application, the Regional Administrator may issue a letter of exemption to the vessel if it is determined that the vessel owner provided sufficient information as required under paragraph (c)(2)(ii)(A) of this section and that the issuance of the letter of exemption will not jeopardize accurate monitoring of the vessel's DAS. Upon written request, the Regional Administrator may change the time period for which the exemption was granted.

(iii) Any VMS-equipped vessel with an Atlantic herring permit, unless required by other fishery regulations to have on board a fully operational VMS unit at all times, need not transmit a signal when the vessel is in port.

(d) *Presumption.* If a VMS unit fails to transmit an hourly signal of a vessel's position, the vessel shall be deemed to have incurred a DAS, or fraction thereof, for as long as the unit fails to transmit a signal, unless a preponderance of evidence shows that the failure to transmit was due to an unavoidable malfunction or disruption of the transmission that occurred while the vessel was declared out of the scallop fishery or NE multispecies or monkfish fishery, as applicable, or was not at sea.

(e) *Replacement.* Should a VMS unit require replacement, a vessel owner must submit documentation to the Regional Administrator, within 3 days of installation and prior to the vessel's next trip, verifying that the new VMS unit is an operational, approved system as described under paragraph (a) of this section.

(f) *Access.* As a condition to obtaining a limited access scallop or multispecies permit, or an Atlantic herring permit, all vessel owners must allow NMFS, the USCG, and their authorized officers or designees access to the vessel's DAS data, if applicable, and location data obtained from its VMS unit, if required, at the time of or after its transmission to the vendor or receiver, as the case may be.

(g) *Tampering.* Tampering with a VMS, a VMS unit, or a VMS signal, is prohibited. Tampering includes any activity that is likely to affect the unit's ability to operate properly, signal, or accuracy of computing the vessel's position fix.

[61 FR 34968, July 3, 1996, as amended at 62 FR 14646, Mar. 27, 1997; 63 FR 58329, Oct. 30, 1998; 64 FR 54745, Oct. 7, 1999; 65 FR 77466, Dec. 11, 2000]

§ 648.10 DAS notification requirements.

(a) *VMS Demarcation Line.* The VMS Demarcation Line is defined by straight lines connecting the following coordinates in the order stated (a copy of a map showing the line is available from the Regional Administrator upon request):

VMS DEMARCATION LINE

Description	N. Lat.	W. Long.
1. Northern terminus point (Canada landmass)	45°03′	66°47′
2. A point east of West Quoddy Head Light	44°48.9′	66°56.1′
3. A point east of Little River Light	44°39.0′	67°10.5′
4. Whistle Buoy "8BI" (SSE of Baker Island)	44°13.6′	68°10.8′
5. Isle au Haut Light	44°03.9′	68°39.1′
6. Pemaquid Point Light	43°50.2′	69°30.4′
7. A point west of Halfway Rock	43°38.0′	70°05.0′
8. A point east of Cape Neddick Light	43°09.9′	70°34.5′
9. Merrimack River Entrance "MR" Whistle Buoy	42°48.6′	70°47.1′
10. Halibut Point Gong Buoy "1AHP"	42°42.0′	70°37.5′
11. Connecting reference point	42°40′	70°30′
12. Whistle Buoy "2" off Eastern Point	42°34.3′	70°39.8′
13. The Graves Light (Boston)	42°21.9′	70°52.2′
14. Minots Ledge Light	42°16.2′	70°45.6′
15. Farnham Rock Lighted Bell Buoy	42°05.6′	70°36.5′
16. Cape Cod Canal Bell Buoy "CC"	41°48.9′	70°27.7′
17. A point inside Cape Cod Bay	41°48.9′	70°05′
18. Race Point Lighted Bell Buoy "RP"	42°04.9′	70°16.8′
19. Peaked Hill Bar Whistle Buoy "2PH"	42°07.0′	70°06.2′
20. Connecting point, off Nauset Light	41°50′	69°53′
21. A point south of Chatham "C" Whistle Buoy	41°38′	69°55.2′
22. A point in eastern Vineyard Sound	41°30′	70°33′
23. A point east of Martha's Vineyard	41°22.2′	70°24.6′
24. A point east of Great Pt. Light, Nantucket	41°23.4′	69°57′
25. A point SE of Sankaty Head, Nantucket	41°13′	69°57′
26. A point west of Nantucket	41°15.6′	70°25.2′
27. Squibnocket Lighted Bell Buoy "1"	41°15.7′	70°46.3′
28. Wilbur Point (on Sconticut Neck)	41°35.2′	70°51.2′
29. Mishaum Point (on Smith Neck)	41°31.0′	70°57.2′
30. Sakonnet Entrance Lighted Whistle Buoy "SR"	41°25.7′	71°13.4′
31. Point Judith Lighted Whistle Buoy "2"	41°19.3′	71°28.6′
32. A point off Block Island Southeast Light	41°08.2′	71°32.1′
33. Shinnecock Inlet Lighted Whistle Buoy "SH"	40°49.0′	72°28.6′
34. Scotland Horn Buoy "S", off Sandy Hook (NJ)	40°26.5′	73°55.0′
35. Barnegat Lighted Gong Buoy "2"	39°45.5′	73°59.5′
36. A point east of Atlantic City Light	39°21.9′	74°22.7′
37. A point east of Hereford Inlet Light	39°00.4′	74°46′
38. A point east of Cape Henlopen Light	38°47′	75°04′
39. A point east of Fenwick Island Light	38°27.1′	75°02′
40. A point NE of Assateague Island (VA)	38°00′	75°13′
41. Wachapreague Inlet Lighted Whistle Buoy "A"	37°35.0′	75°33.7′
42. A point NE of Cape Henry	36°55.6′	75°58.5′
43. A point east of Currituck Beach Light	36°22.6′	75°48′
44. Oregon Inlet (NC) Whistle Buoy	35°48.5′	75°30′
45. Wimble Shoals, east of Chicamacomico	35°36′	75°26′
46. A point SE of Cape Hatteras Light	35°12.5′	75°30′
47. Hatteras Inlet Entrance Buoy "HI"	35°10′	75°46′
48. Ocracoke Inlet Whistle Buoy "OC"	35°01.5′	76°00.5′
49. A point east of Cape Lookout Light	34°36.5′	76°30′
50. Southern terminus point	34°35′	76°41′