

manufactures. The marine solution certified for NMFS VMS is similar to that being used in other VMS applications around the world and in the Secure Ship Alert System recently mandated by the International Maritime Organization to combat security threats.

Satamatics provides a one-stop shop for service and transceiver for easy purchase and commissioning. Vessel owners wishing to use the Satamatics solution to meet the Pacific Coast groundfish fishery VMS requirement can purchase a bundled package of transceiver and airtime directly from Satamatics using a self-serve web site or contacting Satamatics as listed in the VMS Provider Addresses.

Satellite commissioning service is instantaneous via a self-service web page or through Satamatics Support anytime after the receipt of the transceiver. This eliminates delays and paperwork. Satamatics will forward the transceiver identifying information to OLE. Although the VMS service package has been designed for easy commissioning via the web, Satamatics provides a support line for fishermen as well.

Billing for satellite airtime is separated between accounts for the vessel owner and OLE. VMS position reports and vessel-initiated messaging are paid for by the vessel owner. Messaging initiated from OLE operations center is paid for by NOAA.

C. INMARSAT-C Communications Providers

It is recommended that the vessel owner keep for his or her records and that Telenor and Xantic have on record the following identifying information: (a) Signed and dated receipts and contracts; (b) transceiver serial number; (c) Telenor or Xantic customer number, user name and password; (d) e-mail address of transceiver; (e) Inmarsat identification number; (f) owner name; (g) vessel name; (h) vessel documentation or registration number; and (i) mobile earth station license (FCC license).

Pursuant to 50 CFR 635.69(d), OLE will provide an installation and activation checklist which the vessel owner must follow. The vessel owner must sign a statement on the checklist certifying compliance with the installation procedures and return the checklist to OLE. Installation can be performed by experienced crew or by an electronics specialist, and the installation cost is paid by the owner.

The owner may confirm the TT-3022-NMFS or TT-3026-NMFS operation and communications service to ensure that position reports are

automatically sent to and received by OLE before leaving on a fishing trip under VMS. OLE does not regard the fishing vessel as meeting the requirements of 50 CFR 635.69 until position reports are automatically received. For confirmation purposes, contact the NOAA Fisheries Office for Law Enforcement, 7600 Sand Point Way NE; Seattle, WA 98115, at (206) 526-6133.

C1. Telenor Satellite Services

Inmarsat-C is a store-and-forward data messaging service. Inmarsat C allows users to send and receive information virtually anywhere in the world, on land, at sea, and in the air. Inmarsat-C supports a wide variety of applications including Internet e-mail, position and weather reporting, a free daily news service, and remote equipment monitoring and control. Mariners can use Inmarsat-C free of charge to send critical safety at sea messages as part of the U.S. Coast Guard's Automated Mutual-Assistance Vessel Rescue system and of the NOAA Shipboard Environmental Acquisition System programs. Telenor Vessel Monitoring System Services is being sold through LandSea Systems, Inc. For the LandSea and Telenor addresses, look under the heading "VMS Provider Addresses".

C2. Xantic

Xantic is a provider Vessel Monitoring Services to the fishing industry. By installing an approved OLE Inmarsat-C transceiver on the vessel, fishermen can send and receive E-mail, to and from land, transceiver automatically sends vessel position reports to OLE, and is fully compliant with the International Coast Guard Search and Rescue Centers. XANTIC Vessel Monitoring System Services are being sold through LandSea Systems, Inc. For the LandSea and XANTIC addresses, look under the heading VMS Provider Addresses.

Telenor and XANTIC Features offered through LandSea Systems: Customer Service supports the security and privacy of vessel accounts and messages with the following: (a) password authentication for vessel owners or agents and for OLE to prevent unauthorized changes or inquiries; and (b) separation of private messages from OLE messages. (OLE requires VMS-related position reports, only.)

Billing is separated between accounts for the vessel owner and the OLE. VMS position reports and vessel-initiated messaging are paid for by the vessel owner. Messaging initiated from OLE operations center is paid for by NOAA.

LandSea Systems provides customer service for Telenor and XANTIC users to support and establish two-way transmission of transceiver unit configuration commands between the transceiver and land-based control centers. This supports OLE's message needs and, optionally, fishermen's private message needs.

The vessel owner can configure automatic position reports to be sent to a private address, such as to a fleet management company. The vessel can send and receive private e-mail and other messages when the transceiver has such an input device as a laptop or personal computer attached.

Vessel owners wishing to use Telenor or XANTIC services will need to purchase an Inmarsat-C transceiver approved for the fishery. The owner will need to complete an Inmarsat-C system use contract with Telenor or XANTIC, including a mobile earth station license (FCC requirement). The transceiver will need to be commissioned with Inmarsat according to Telenor or XANTIC's instructions. The owner should refer to and follow the configuration, installation, and service activation procedures for the specific transceiver purchased.

III. VMS Provider Addresses

For ORBCOMM and Stellar ST2500G-NMFS information, contact: ORBCOMM, LLC; 21700 Atlantic Boulevard; Dulles, VA 20166 USA. www.ORBCOMM.com for Vessel Management on the home page.

Call 800-ORBCOMM (USA); Phone: 703-433-6300; Fax: 703-433-6400 Satamatics/INMARSAT D+ bundled VMS solution of satellite airtime and SAT-101 NMFS/PCG transceiver: go to www.nmfs.satamaticususa.com; call 877-SAT-MATD (877-728-6383) fax 360-246 7263 e-mail nmfs@satamaticususa.com. Thrane & Thrane TT-3022-NMFS or TT-3026-NMFS, contact Ken Ravenna, Marine Products, LandSea Systems, Inc., 509 Viking Drive, Suite K, L & M, Virginia Beach, VA 23452; voice: 757-463-9557; fax: 757-463-9581, e-mail: KCR@LandSeaSystems.com; website: <http://www.landseasystems.com>.

For Telenor or XANTIC information, contact LandSea Systems Inc., Donna Sherman, 509 Viking Drive, Suite K, L, M, Virginia Beach, VA 23452; voice: 757-463-9557; fax: 757-463-9581; e-mail: irtime@landseasystems.com. Telenor and XANTIC Customer Service, LandSea Systems, Inc., 509 Viking Drive Suite, K, L & M, Virginia Beach, VA 23452; voice: 757-463-9557; fax: 757-463-9581, e-mail: KCR@LandSeaSystems.com. Telenor