

factory pre-configured for NMFS VMS operations, and it is GMDSS.

Trimble Galaxy--General features: A vessel owner wishing to purchase this system should contact the entity identified under VMS Provider Addresses for Trimble Galaxy Information. The owner should identify himself or herself as a vessel owner in the "United States HMS Fishery."

In addition to purchasing an approved Trimble transceiver (TNL7005 or TNL8005) and an antenna for the HMS fishery, the vessel owner will need to establish an Inmarsat-C system use contract with an approved Inmarsat-C communications service provider. The transceiver will need to be commissioned with the service provider.

The installation of the transceiver and antenna must be paid for by the owner. To set up the transceiver for NMFS VMS operations, the owner will (a) turn on the power of the vessel transceiver; (b) contact the Inmarsat-C system communications service provider; (c) have the service provider's Customer Service download the pre-determined NMFS position reporting and broadcast commands from the provider's control center to the vessel transceiver via satellite; and (d) confirm with Customer Service that periodic position reports are now automatically being sent to NOAA. Customer Service will confirm service activation by forwarding to the Office for Law Enforcement the following identifying information: (a) Trimble transceiver serial number; (b) Inmarsat Identification number; (c) Data Network Identification (DNID) and member numbers; (d) Enhanced Network Identification (ENID) numbers; (e) owner name; (f) vessel name; and (g) Vessel documentation or registration number.

III. Communications Service Providers

NMFS OLE has approved the below-listed Telenor and Xantic satellite communications services for the Atlantic HMS fishery. 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) Data Network Identification numbers (DNID and ENID), including the member number; (g) owner name; (h) vessel name; (i) vessel documentation or registration number; and (j) mobile earth station license (FCC license).

The owner may confirm transceiver operation and communications service to ensure that position reports are automatically sent to and received by the Office for Law Enforcement before leaving on a fishing trip under VMS. The NOAA Office for Law Enforcement 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 Office for Law Enforcement in St. Petersburg, FL, at 727-570-5344.

A. Telenor Satellite Services/Inmarsat-C

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. For the Telenor address, look under the heading VMS Provider Addresses. Inmarsat-C features: Vessel owners wishing to use Inmarsat-C will need to purchase an Inmarsat-C transceiver and antenna approved for the fishery. The owner will need to complete an Inmarsat-C system use contract with Telenor, including a provision for a mobile earth station license (FCC requirement). The transceiver will need to be commissioned with Inmarsat according to Telenor instructions. The owner should refer to and follow the configuration, installation, and service activation procedures for the specific transceiver purchased.

B. Xantic

Xantic is a provider of Inmarsat satellite communications services. Xantic offers seamless, global Inmarsat-C coverage. Xantic is approved for VMS use with Inmarsat-C services. For the Xantic address, look under the heading VMS Provider Addresses.

Xantic features: 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 the NOAA Office for Law Enforcement to prevent unauthorized changes or inquiries; and (b) separation of private messages from Office for Law Enforcement messages. (The Office for

Law Enforcement receives VMS-related position reports only.)

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

Customer Service supports and establishes a two-way transmission of transceiver unit configuration commands between the transceiver and land-based control centers. This supports the Office for Law Enforcement's message needs and, optionally, fishermen's private message needs.

When the transceiver transmits a message requesting emergency assistance (GMDSS alert), Xantic (through Inmarsat) forwards the information to the United States Coast Guard. However, unless non-NMFS required equipment is purchased (i.e., an addition of a message terminal display), the United States Coast Guard can not use the transceiver to communicate with the vessel.

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 Xantic will need to purchase an Inmarsat-C transceiver and antenna approved for the fishery. The owner will need to complete an Inmarsat-C system use contract with Station 12, including a mobile earth station license (FCC requirement). The transceiver will need to be commissioned with Inmarsat according to Xantic's instructions. The owner should refer to and follow the configuration, installation, and service activation procedures for the specific transceiver purchased.

IV. VMS Provider Addresses

For Thrane & Thrane TT-3022D-NMFS information, 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 regional dealer information about the Trimble Galaxy transceiver units, contact Tom Mackey at 1-800-477-1207, or a Trimble-Authorized Support Dealer, based at local marine electronics outlets.