The VLink VMS beacon provides satellite monitoring for fishing vessel log book data transfer, enabling compliance with the latest applicable European regulations. Electronic log book data provided with Turbo Catch software, a SODENA solution.
Simplicity & Availability

- Customer support 24 hour Helpline - 365 days of a year
- Encryption to ensure total confidentiality
- Easy to install and maintain
- Easy retrofit
- Low power consumption
- In-built back up battery

Main features

Complies with the new regulations

Sends fishing vessel position data to the authorities

- Identification of the ship’s beacon
- Ship’s most recent geographical position
- Date and hour of the position
- Ship’s speed and instantaneous course
- Possibility for the authorities to poll the beacon to obtain a position (polling service)
- Polling capabilities for ship owners
- All the position data is stored in the internal memory (90 days preceding the query)
- Remote modification of the rhythm of transmission of position messages by the authorities
- Advanced management of the power supply modes: normal mode/battery mode. Increased battery run-time

Alarm

- On power supply failure
- On satellite link failure
- On intrusion detection
VLink shipset

Originating from our first generation of VMS beacons, of which more than 6,000 have been delivered, the VLink beacon’s dome is specially designed to resist difficult navigation conditions, whatever the zone of operations.

Installation is made easy by a complete kit delivered with the beacon, enabling a wide range of mounting possibilities for all types of ship. The low power-consumption VLink beacon is supplied from the main on-board electrical circuits.

The interface unit is installed on the bridge and enables you to check the correct performance of the beacon.

SERVICES and satellite communications

Iridium Communication + VMS server to DPMA.

McMurdo Group performs the function of service provider and uses its platform to ensure data communication between the VLink beacon and the Fisheries Monitoring Centre (CSP).

This server also enables the Monitoring Center (CSP) to send orders to the VLink beacon to change the transmission rhythm, collect a position history, etc.

The platform is secured to ensure complete data confidentiality. It is also made more reliable to ensure the continuity of the service by means of redundant network and systems equipment.
Description

1. Dome
2. Interface unit
3. 15-metre cable, dome/interface unit connection
4. 5-metre power supply cable
5. U-shaped bracket
6. Angle bracket
7. Two threaded stirrups (D 42 Wire – 8 mm A4 stainless steel)
8. Three screws (M6.3 x 16 A4 stainless steel POZIDRIVE) to fix the dome to the bracket
9. Three plain washers (M6 A4 stainless steel) to fix the dome to the bracket
10. Four screws (M6.3 x 16 A4 stainless steel POZIDRIVE) to fix the interface
11. Eight nuts (M8 A4 stainless steel) to fix the threaded stirrups to the bracket or to fix the angle bracket to the bracket
12. Four plain washers (M8 A4 stainless steel) to fix the threaded stirrups to the bracket or to fix the angle bracket to the bracket
13. Four screws (M8 x 120 hex EF A4 stainless steel POZIDRIVE) to fix the angle bracket to the bracket
14. The installation manual

Technical Characteristics

Satellite Service: Iridium SDB
Compliance: IEC 60945 compliance
Dimensions: Dome: diameter 165 mm, height 135 mm
           Junction box: 150 mm x 110 mm x 60 mm
Cables: Dome/Junction box: 15 m
         Junction box/Ship's power supply: 5 m
Weight: Dome: 1.5 kg
Operating temperature: 20 °C to +55 °C
Storage temperature: -25 °C to +70 °C
Sealing: IP66
Power supply: External 12-24 V DC power supply
Internal battery: Enabling operation for 72 hours in the event of a power cut, followed by reduced level operation for one month
GPS receiver: SKYTRAK 65-channel receiver
Internal memory: Data conserved for 90 days
Logbook data format: Sodena TURBO CATCH Type

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