

# Plug Your Wellhead Marker Buoy into the Automatic Ship Identification System (AIS)

All SOLAS class vessels of 300 gross tons, or greater, on international voyages are required to carry AIS transponders and displays (SOLAS Ch V, Reg 19). Additionally, the U.S. Coast Guard requires all commercial vessels over 65 feet in length and towing vessels over 26 feet in length and 600 horsepower on international voyages, or operating in U.S. navigable waters, to carry and operate AIS transponders (33CFR164.46)

IALA Recommendation A-126 (*The Use of AIS in Marine Aids to Navigation*) recommends the use of AIS transponders on buoys to identify the buoy station and indicate that the buoy is located on the charted position.

Automatic Power's ATONIS transponder uses the AIS system to autonomously send data identifying your marker buoy by name and position when your crew boat is within VHF-FM radio range of your platform. This information is automatically displayed on the crew boat's AIS monitor located in the wheelhouse.

With an Automatic Power ATONIS AIS transponder installed on your marker buoy, you can easily warn other AIS equipped vessels of:

- The identity the marker buoy by name and location.
- Indicate that the marker buoy is on or off the charted position.
- Receive notifications of any alarm condition on the marker buoy (light out, etc.)

***Will AIS equipped vessels identify and avoid your wellhead marker buoy?***

When integrated with our ATONIS AtoN Monitoring system, service crews can easily obtain a detailed status of position, lighting system and power system from a remote location, as well as an alert regarding any safety exclusion area around the marker buoy.

Our ATONIS AIS transponder is specifically designed with the very low power consumption required by buoy power systems. It operates off 12 Volts DC and consumes less than 1 amp-hour per day making emergency battery back-up and solar powering the preferred configuration. It can be packaged for NEC Class 1 Division 2 Hazardous Areas or IEC Zone 1 areas



**ATONIS AIS Transponder**

## FOR DETAILS CONTACT:

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Horizon - [ Manual Chart Loading (1:80,000) ]

Main Chart Nav Aids Nav Elements AIS Light Level Window Help

AtoN Monitoring | AtoN AIS List

AtoN Msg 21 | AIS Msg Rx | Chart

Sender	Sent	R
123456...	04/29/06 23:23:25 UTC	0
123456...	04/29/06 23:25:25 UTC	0
123456...	04/29/06 23:27:25 UTC	0
123456...	04/29/06 23:29:25 UTC	0
123456...	04/29/06 23:35:25 UTC	0
<b>123456...</b>	<b>04/29/06 23:37:25 UTC</b>	<b>0</b>
123456...	04/29/06 23:39:25 UTC	0

WELL-HEAD BUOY. FOULED BOTTOM.  
STAND CLEAR

LIGHT OUT  
OFF POSITION

Delete Show Details...

AID	Status
WELL-HEAD BUOY NO. 5	ON POSITION
WELL-HEAD BUOY NO. 5	LIGHT OUT
WELL-HEAD BUOY NO. 5	OFF POSITION

**Message Details**

Sender

Mode Broadcast Text

MMSI 123456789

Ship Name WELL-HEAD BUOY NO. 5

Channel A/B at 04/29/06 22:19:25 UTC

Ack 04/29/06 22:19:25 UTC


Message ID 27

Well-Head Buoy. Fouled Bottom.  
Stand Clear

OK

Sample Broadcast Text  
Message Received by  
AIS Equipped Vessels

*SIMILAR MESSAGES FOR  
"LIGHT OUT" OR "OFF  
STATION" COULD ALSO BE  
BROADCAST*



WELL-HEAD BUOY NO.5

4 Nm 3 Nm 2 Nm 1 Nm 0

56° 00.00' N 122° 36' 00.00' W 122° 32' 00.00' W 122° 28' 00.00' W

4 Nm

Out In

1:80,000

Silence Ack

- UTC 00:31:21 Chart List Created
- UTC 00:31:27 Chart List Created
- UTC 00:31:27 Warning: CM-93 license for Zone 0 will expire on November 2005

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Typical Shipboard AIS Electronic Chart Display for Warning Notifications