

Futronic MKII

PC Report User's Manual

Version 11 December 2024

This manual supports software
version 610.0022.017



INTRODUCTION

Futronic PC Report Software allows you to:

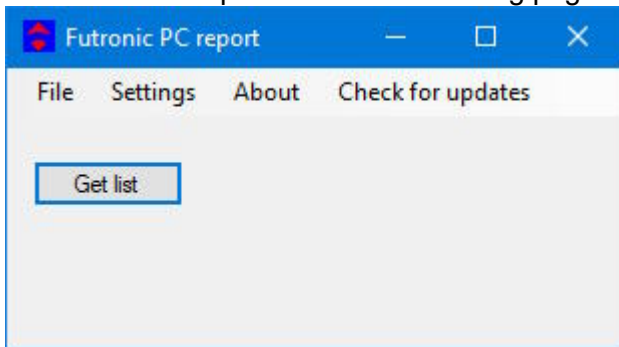
- View all test results and save them on a PC
- Create AIS, EPIRB and EPIRB-AIS reports
- Check for updates.

How to download and install

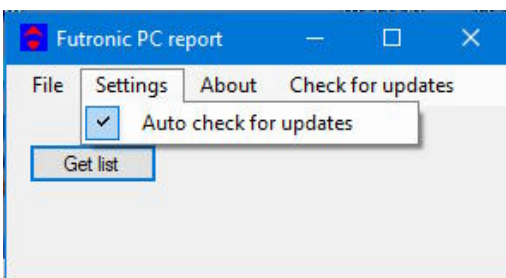
- 1) Download Futronic MKII PC Report from Danphone's website:
([Download here](#))
- 2) Open the zipped file.
- 3) Double click on the file installation guide and follow the instructions.
- 4) Once installed, the PC program will open a 3 tabbed dialogue box on your PC Screen

File – Settings - About – Check for updates

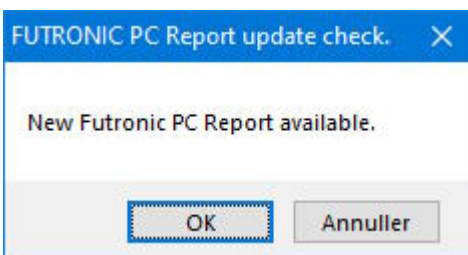
The tabs are explained on the following pages.



Automatic check for updates at startup.

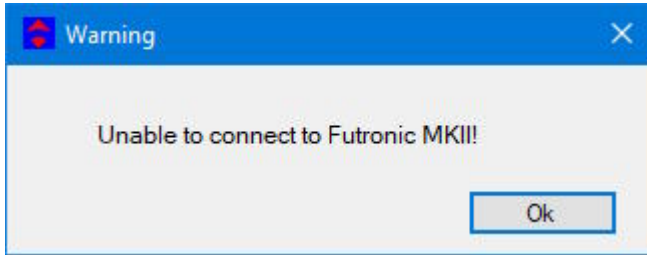


If you do not want automatic check, you can check for updates by pressing the tab **Check for Updates**. If there is a new update, this dialog box will appear. Click 'OK' and follow the instructions on the screen.

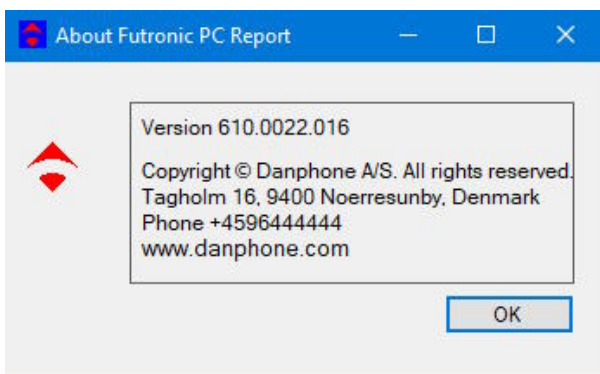


Connect Futronic MKII to your PC Via USB cable and turn on the test box.

If the Futronic test box is not connected to the PC, this pop-up appears. Check the connection between the test box and PC.

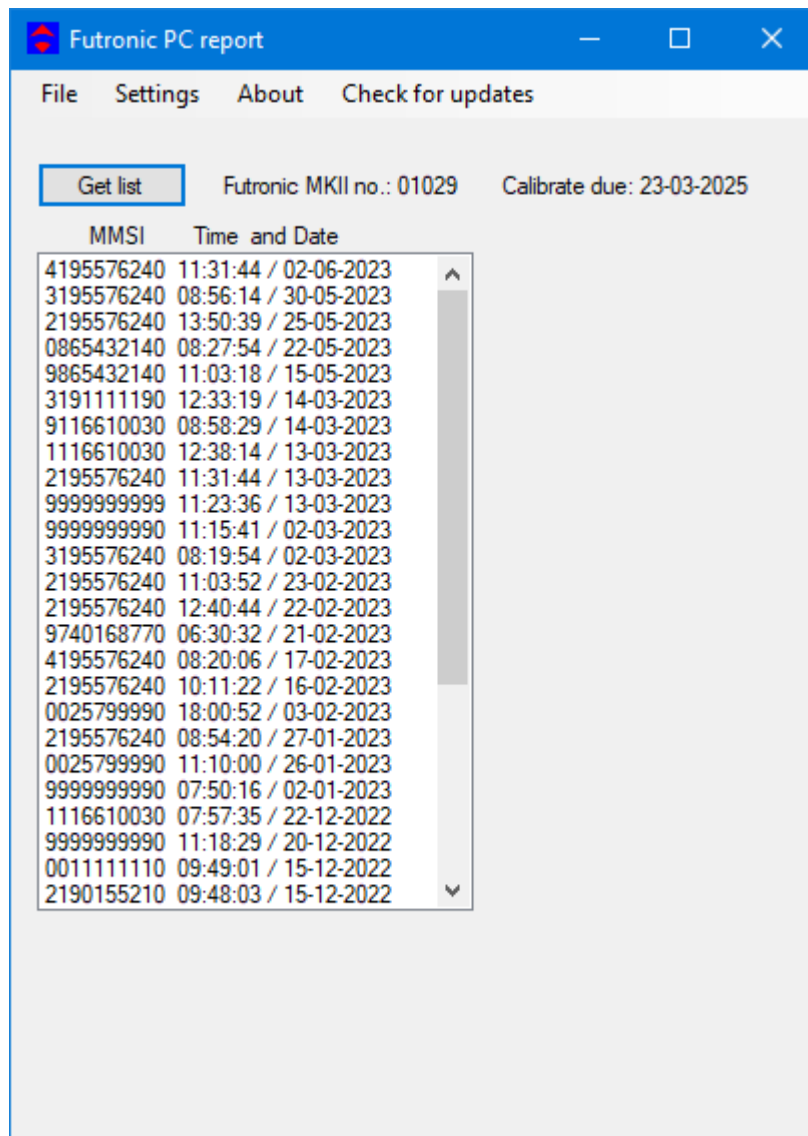


In the tab **About** see which software version you have.



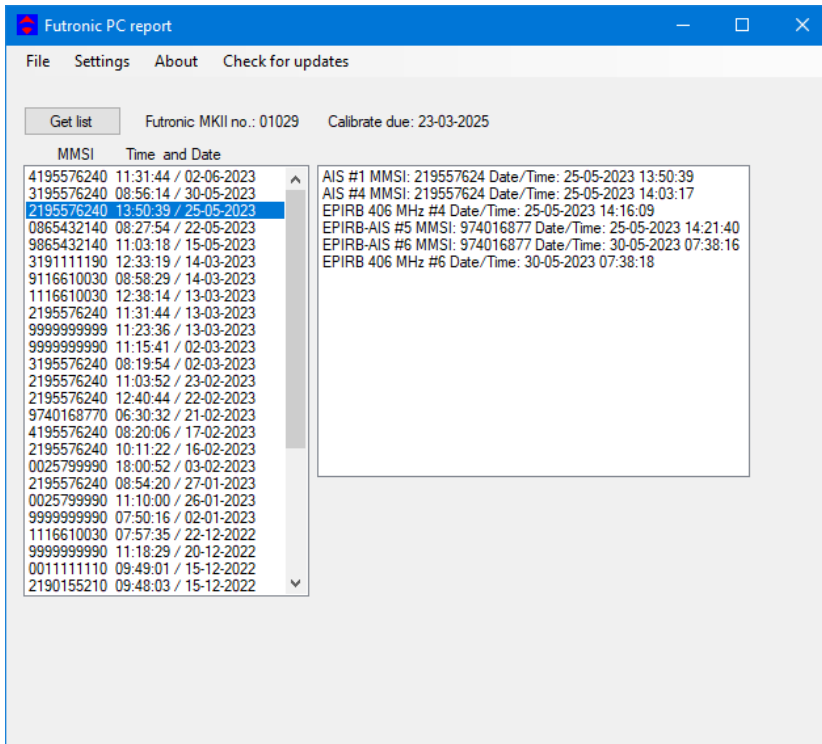
The **Get List** tab provides access to all the tests and test results stored in the test box.

The list is indexed by date with the latest test on top.

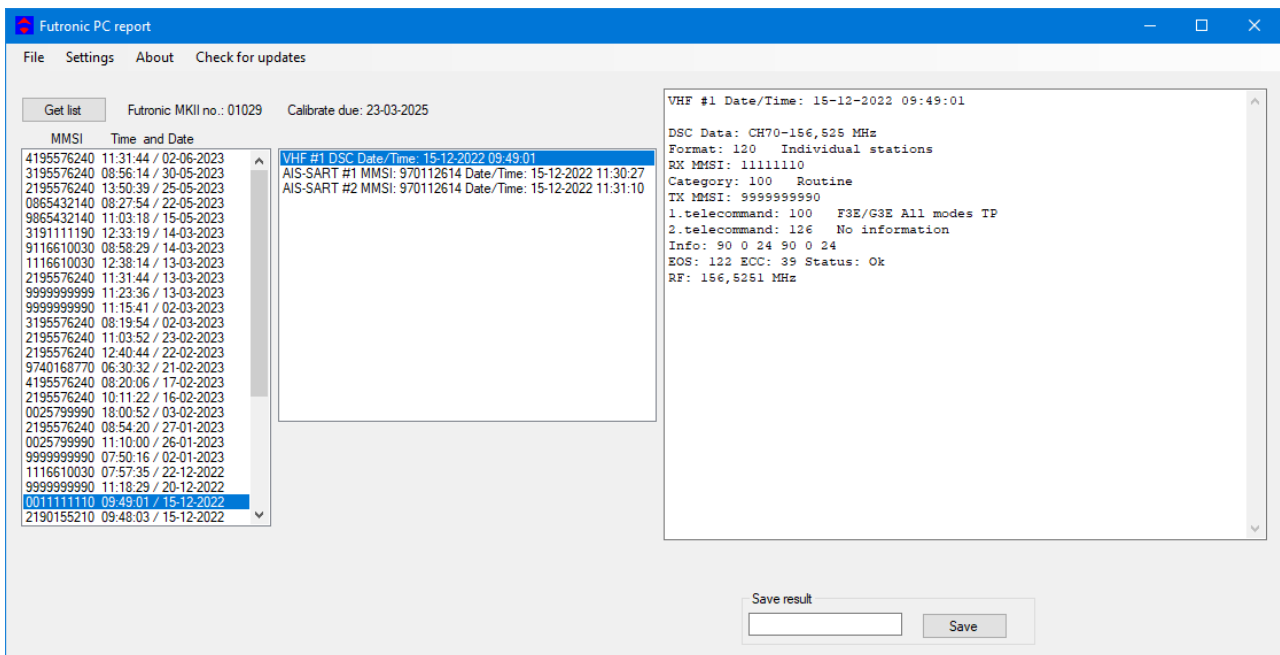


Choose the desired MMSI number and date, the tests from this date will appear in the window in the middle as seen below.

Please note that you can only see test results from the test box that are connected to the PC.



Choose the desired test data and the test results are displayed in the window at the right-hand side.

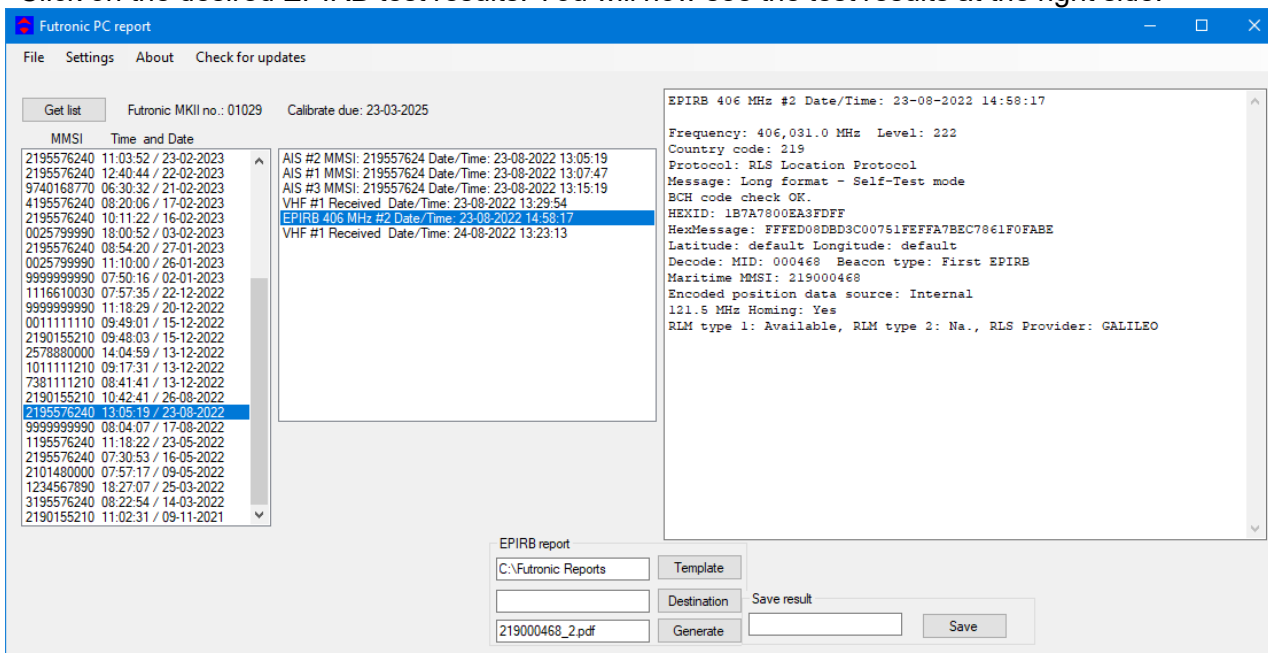


If the software does not allow you to automatically create reports, you can save the results by pressing **Save**.

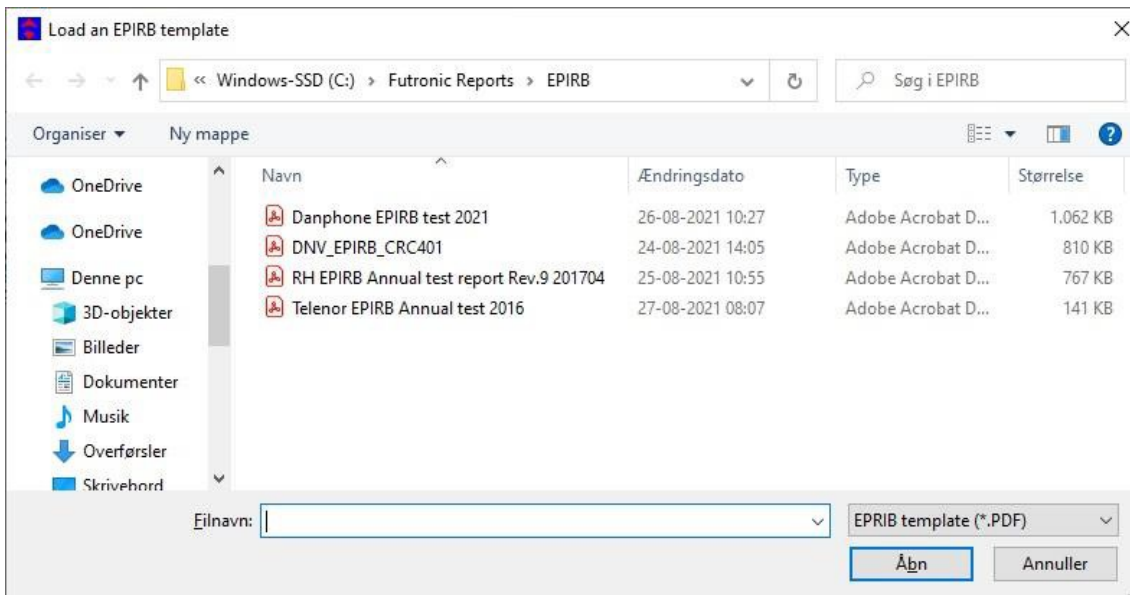
This allows you to save the results on a PC and bring them into your own report format if needed.

Create EPIRB Report

Click on the desired EPIRB test results. You will now see the test results at the right side.




You can choose 'Template', 'Destination' and 'Generate'. By pressing 'Template' this dialog box appears.



Choose between 5 IMO approved EPIRB report templates.

Press 'Destination' to choose where to save the EPIRB report on your PC.

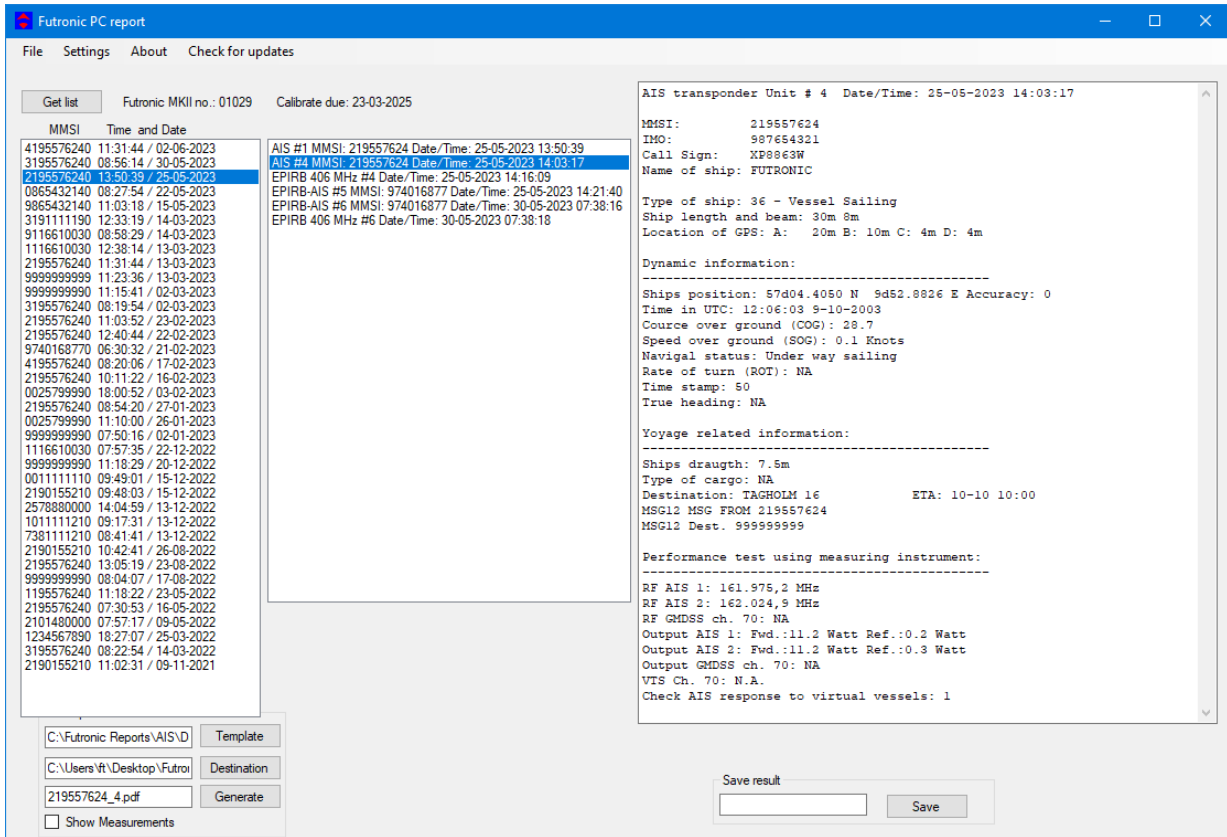
Press 'Generate' and the report will be saved at the chosen destination and a new window will open with the EPIRB report.

<h1>EPIRB Test Report</h1>	
Beacon Data	
Beacon manufacturer:	
Beacon name:	
Beacon model:	
Beacon serial number:	
Beacon frequency:	406.031 MHz
Bracket type:	
Bracket serial number:	
Hydrostatic release expiry:	
Battery expiry:	
Attached lanyard test	
Beacon Location	
Vessel name:	
Test Results	
Frequency measured:	406,031.0 kHz
RF level measured:	222
Message decoding:	BCH code check ok
Hex message:	FFFED08DBD3C00751FEFFA7BEC7861F0FABE
Message format:	Long format - Self-Test mode
Protocol:	RLS Location Protocol
Country code:	219
Unique ID:	1B7A7800EA3FDFF
Decoded message:	MID: 000468 Beacon type: First EPIRB
	Encoded position data source: Internal
	121.5 MHz Homing: Yes
	RLM type 1: Available, RLM type 2: Na., RLS Provider: GALILEO
	Latitude: default Longitude: default
Date for next shore-based maintenance:	
Test Instrument	
Serial number:	Futronic MKII no.: 01029
Calibration due:	23-03-2025
Test Performed	
Time / Date:	14:58:17 23-08-2022
Company:	
Test responsible:	
Signature:	
Futronic MKII Maritime Communications Test Box manufactured by  DANPHONE Danphone EPIRB 02082023	

Fill in the last information and your EPIRB report is ready.

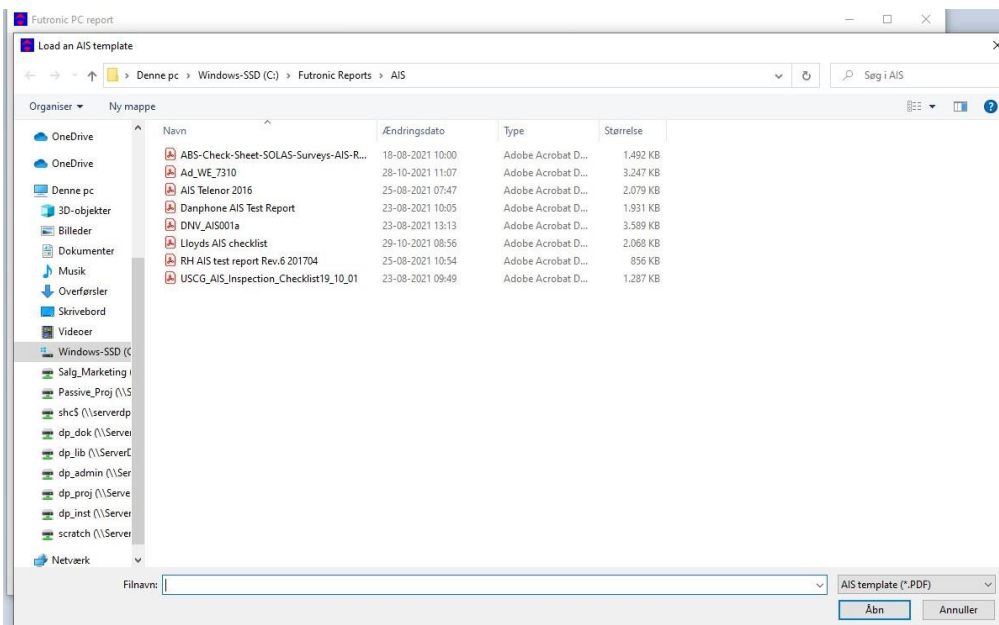
Create AIS Report

Click on the desired AIS test results. You will now see the test results at the right side.



By pressing 'Destination' you can choose where to save the AIS report on your PC.

Choose between 8 IMO approved AIS test report templates to create a report.



When ready to create your AIS report press 'Generate' and a report will be saved at the chosen destination on your PC.

A new window will open with the AIS report.

MSC.1/Circ.1252
ANNEX



Danphone A/S report 1252	
APPENDIX AUTOMATIC IDENTIFICATION SYSTEM (AIS) TEST REPORT	
Name of ship/call sign:	FUTRONIC / XP8863W
MMSI number:	219557624
Port of registry:	Danphone
IMO Number:	987654321
Gross tonnage:	
Date keel laid:	
1. Installation details	
Item	Status
1.1 AIS transponder type	Yes
1.2 Type approval certificate	Yes
1.3 Initial installation configuration report on board?	Yes
1.4 Drawings provided? (Antenna, AIS-arrangement and block diagram)	Yes
1.5 Main source of electrical power	Yes
1.6 Emergency source of electrical power	Yes
1.7 Capacity to be verified if the AIS is connected to a battery	Yes
1.8 Pilot plug near pilots operating position?	Yes
1.9 120 V AC provided near pilot plug? (Panama and St. Lawrence requirement)	Yes
2. AIS programming – Static information	
2.1 MMSI number	219557624 Yes
2.2 IMO number	987654321 Yes
2.3 Radio call sign	XP8863W Yes
2.4 Name of ship	FUTRONIC Yes
2.5 Type of ship	36 - Vessel Salvag. Yes
2.6 Ship length and beam	30m 8m
2.7 Location of GPS antenna	20m B, 10m C, 4m D, 4m
3. AIS programming – Dynamic information	
3.1 AIS position with accuracy and integrity status (Source: GNSS)	9841.0183 N 5741.2 3647 N Low > 10m Yes
3.2 Time in UTC (Source: GNSS)	09:51:53 30.8 2023 Yes
3.3 Course over ground (COG) (will fluctuate at dockside) (Source: GNSS)	335.6 Yes
3.4 Speed over ground (SOG) (zero at dockside) (Source: GNSS)	0.7 Knots Yes
3.5 Heading (Source: Gyro)	NA NA
3.6 Navigational status	8 - Under way sailing Yes
3.7 Rate of turn, where available (ROT)	NA NA
3.8 Angle of heel, pitch and roll, where available	
4. AIS programming – voyage related information	
4.1 Ship's draught	7.5m Yes
4.2 Type of cargo	NA NA
4.3 Destination and ETA (at masters discretion)	PANDRUP 12-31 23:59 Yes
4.4 Route plan (optional)	
4.5 Short safety-related messages	MSG FROM 219557624 Yes

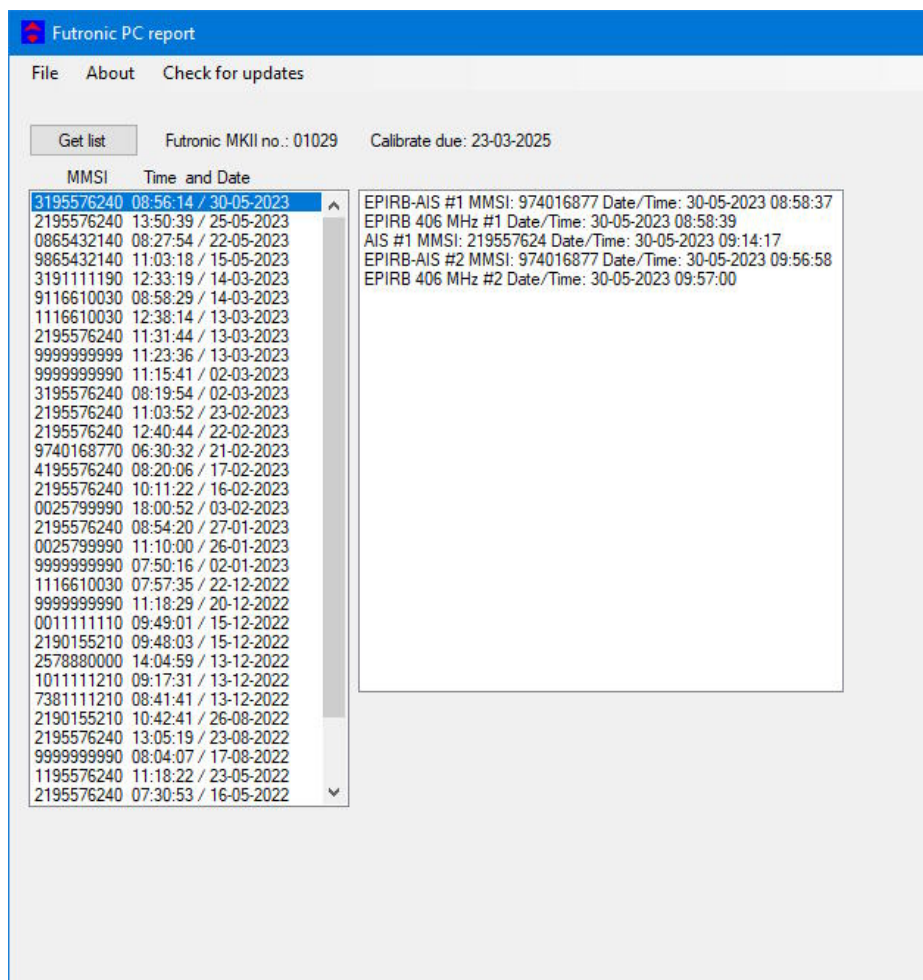
5. Performance test using measuring instrument Futronic MKII no.: 01225 Calibrate due: 06-01-2023		
5.1	Frequency measurements AIS ch. 1 and 2, GMDSS ch. 70 161.975.0 MHz 162.0 MHz	
5.2	Transmitting output AIS ch. 1 and 2, GMDSS ch. 70 F:10.5W R:0.6W F:10.5W	
5.3	Polling information ch. 70	
5.4	Read data from AIS	
5.5	Send data to AIS	
5.6	Check AIS response to "virtual vessels"	
6. "On air" performance test		
6.1	Check reception performance	
6.2	Confirm reception of own signal from other ship/VTS	
6.3	Polling by VTS/shore installation	
Electromagnetic interference from AIS observed to other installations?:		
Remarks:		
The AIS has been tested according to IMO SN/Circ.227 and resolution MSC.74(69), annex 3		
Name of Radio Inspector	Date and place	Name of Radio Inspector Company

AIS Test report with Danphone template

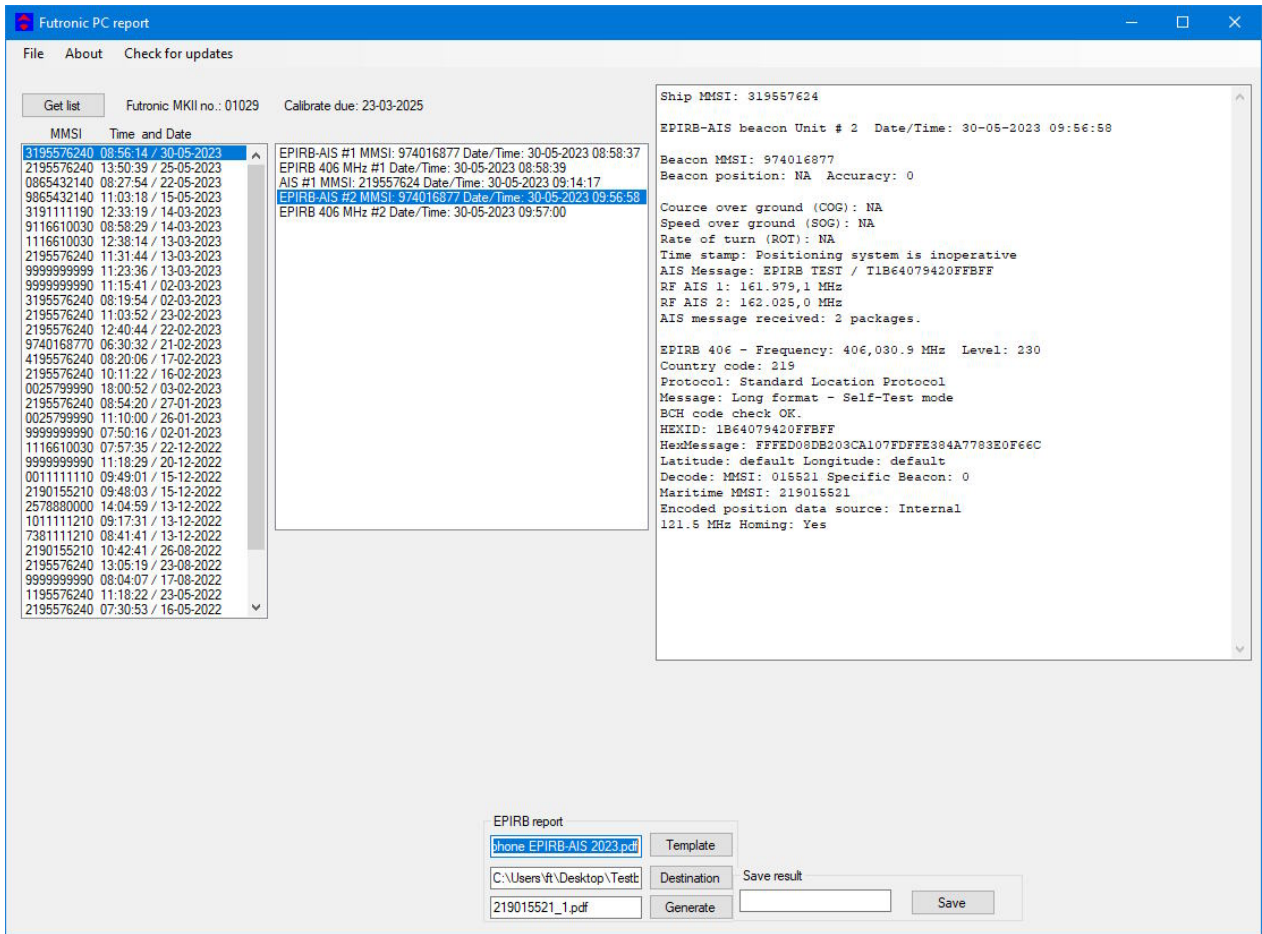
Fill in the last information and your AIS report is ready.

Create EPIRB-AIS Report

Select the EPIRB-AIS beacon in the right window.



The data for the select EPIRB-AIS is shown in the new window.



Select the template for Danphone EPRIB-AIS and generate the EPIRB-AIS report.

EPIRB-AIS Test Report

Beacon Data

Beacon manufacturer:

Beacon name:

Beacon model:

Beacon serial number:

Beacon frequency: 406.031 MHz

Bracket type:

Bracket serial number:

Hydrostatic release expiry:

Battery expiry:

Attached lanyard test

Beacon Location

Vessel name:

Test Results

Frequency measured: 406,030.9 kHz

RF level measured: 230

Message decoding: BCH code check ok

Hex message: FFFED08DB203CA107FDFFE384A7783E0F66C

Message format: Long format - Self-Test mode

Protocol: Standard Location Protocol

Country code: 219

Unique ID: 1B64079420FFBFF

Decoded message: MMSI: 015521 Specific Beacon: 0

Encoded position data source: Internal

121.5 MHz Homing: Yes

Latitude: default Longitude: default

Frequency AIS 1/2: 161.979,1 MHz 162.025,0 MHz

AIS User ID: 974016877

Navigational status: NA

Longitude: Latitude: NA NA

AIS Message: EPIRB TEST / T1B64079420FFBFF

Date for next shore-based

maintenance:

Test Instrument

Serial number: Futronic MKII no.: 01029

Calibration due: 23-03-2025

Test Performed

Time / Date: 09:56:59 30-05-2023

Company:

Test responsible:

Signature:

Futronic MKII Maritime Communications Test Box manufactured by



Danphone EPIRB-AIS 24052023