

Futronic MKII

PC Report User's Manual

Version 8 August 2023

This manual supports software
version 610.0022.009



INTRODUCTION

Futronic PC Report Software allows you to:

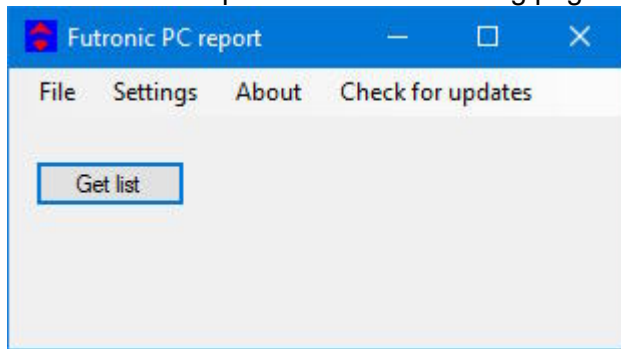
- View all test results and save them on a PC
- Create AIS, EPIRB and EPIRB-AIS reports
- Check for updates.

How to download and install

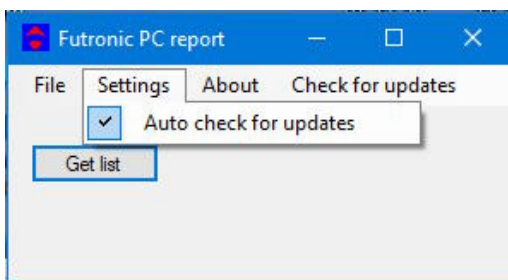
- 1) Download Futronic MKII PC Report from Danphone's website:
([Download here](#))
- 2) Open the zipped file.
- 3) Double click on the file installation guide and follow the instructions.
- 4) Once installed, the PC program will open a 3 tabbed dialogue box on your PC Screen

File – Settings - About – Check for updates

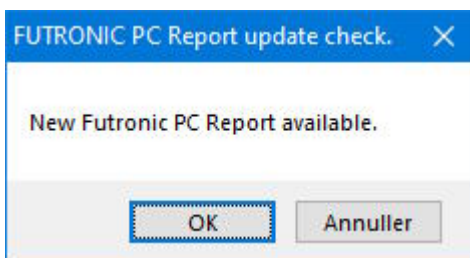
The tabs are explained on the following pages.



Automatic check for updates at startup.

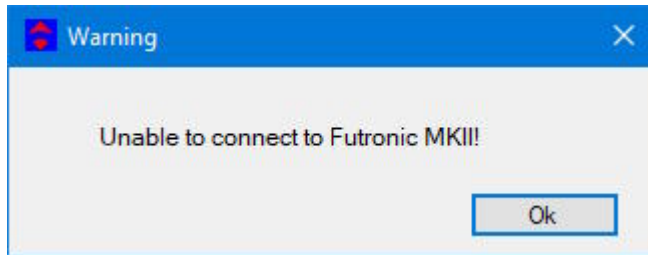


If you do not want automatic check, you can check for updates by pressing the tab **Check for Updates**. If there is a new update, this dialog box will appear. Click 'OK' and follow the instructions on the screen.

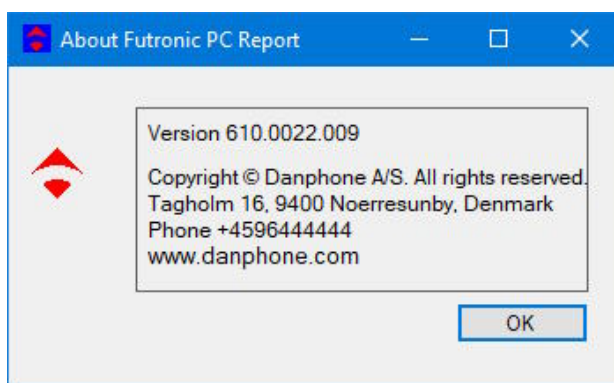


Connect Futronic MKII to your PC Via USB cable and turn on the test box.

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

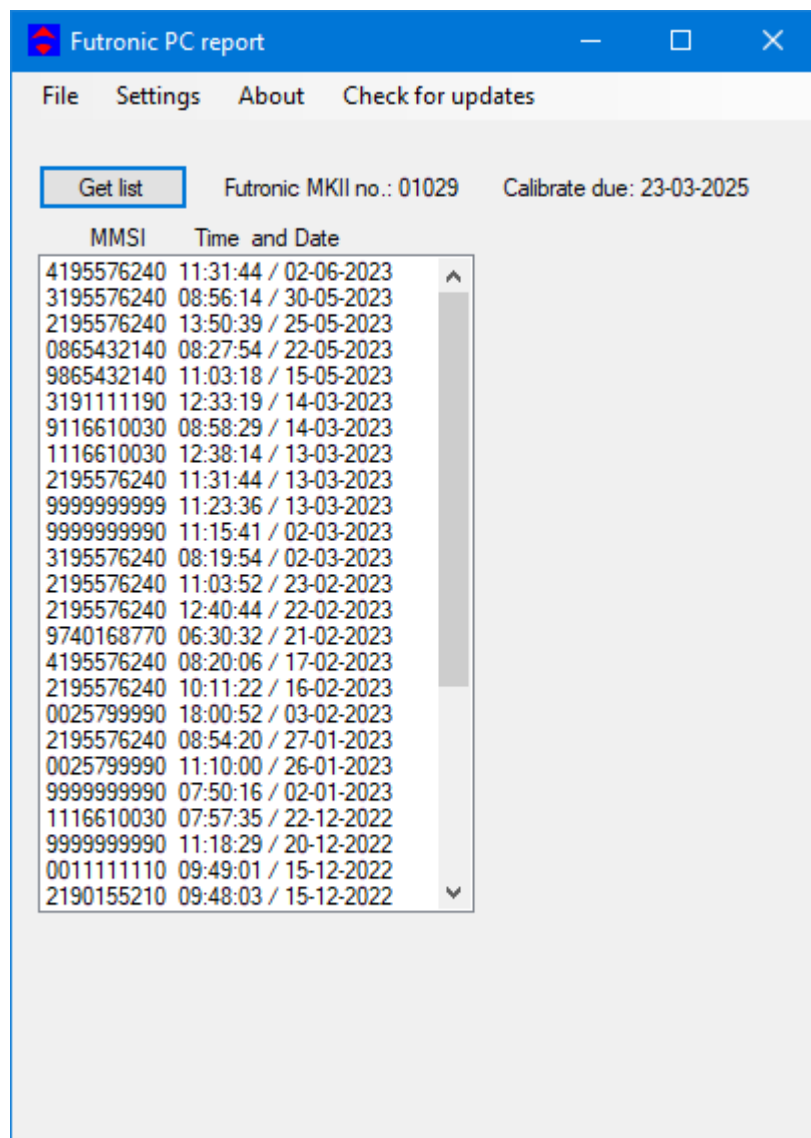


In the tab **About** see which software version you have.



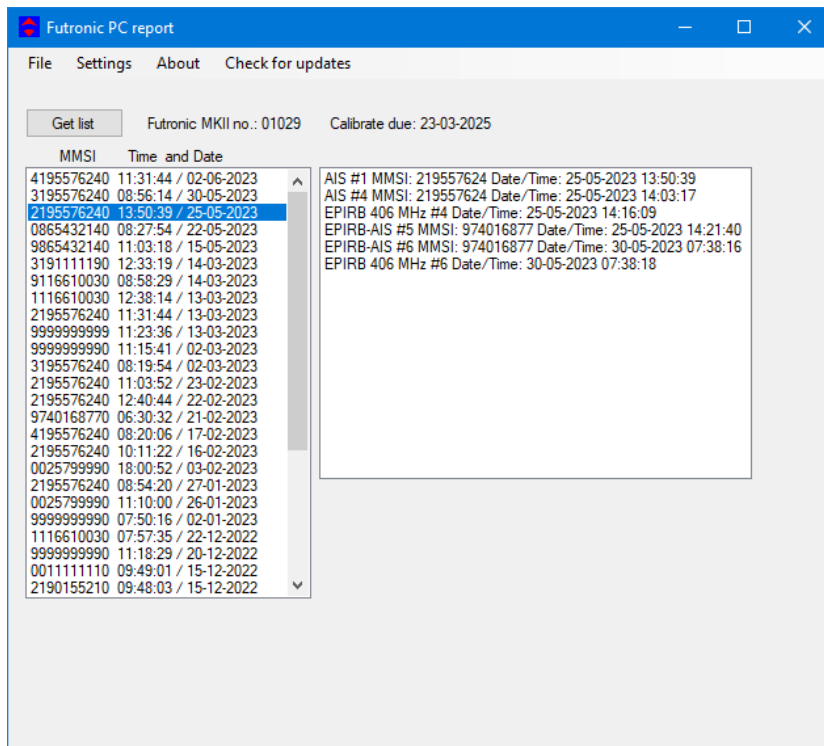
The **Get List** tab provides access to all the tests and test results stored in the test box.

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

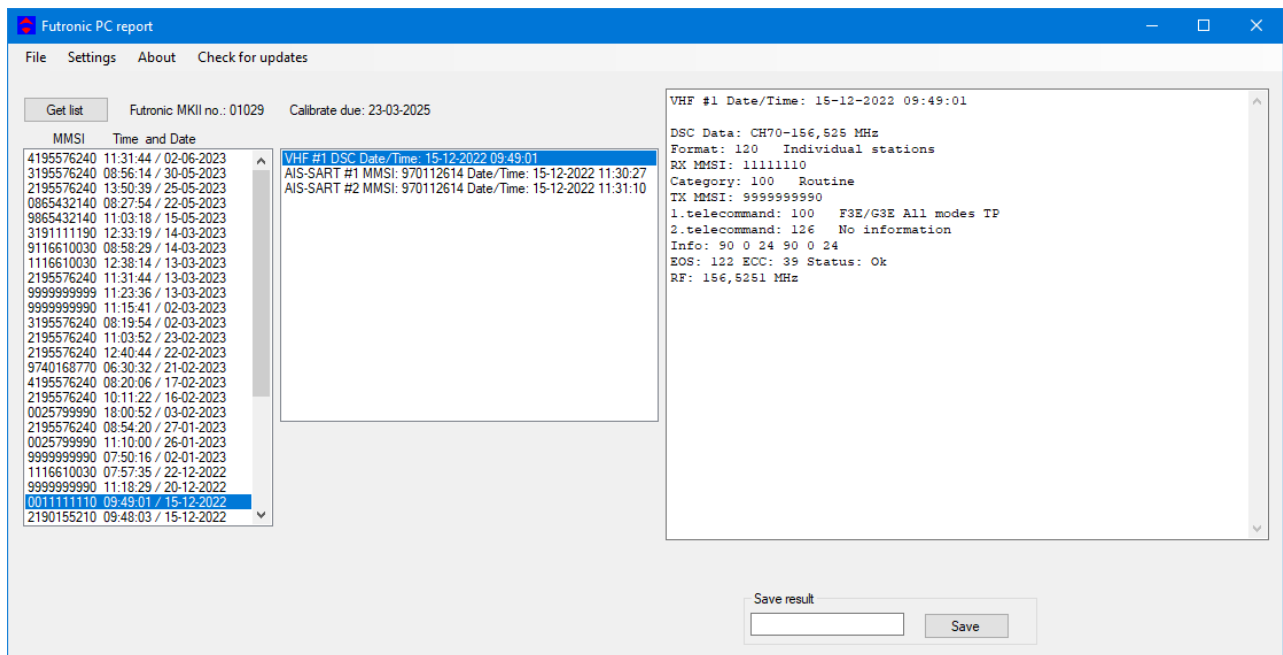


Choose the desired MMSI number and date, the tests from this date will appear in the window in the middle as seen below.

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.

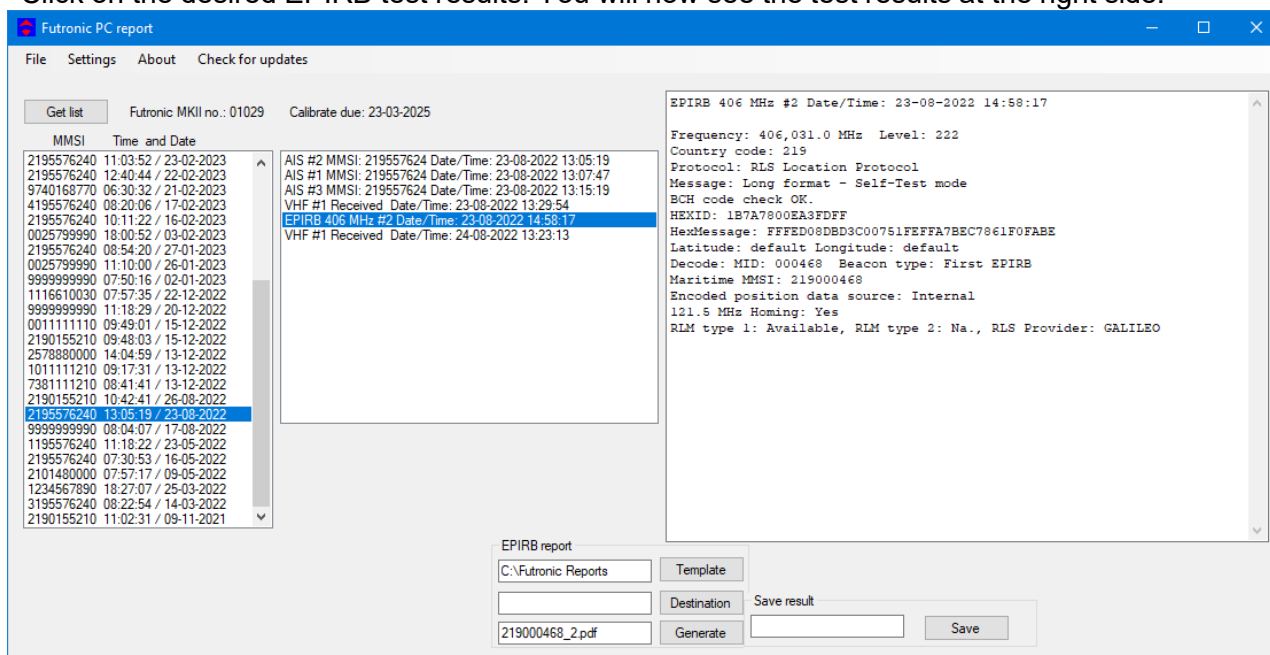


If the software does not allow you to automatically create reports, you can save the results by pressing **Save**.

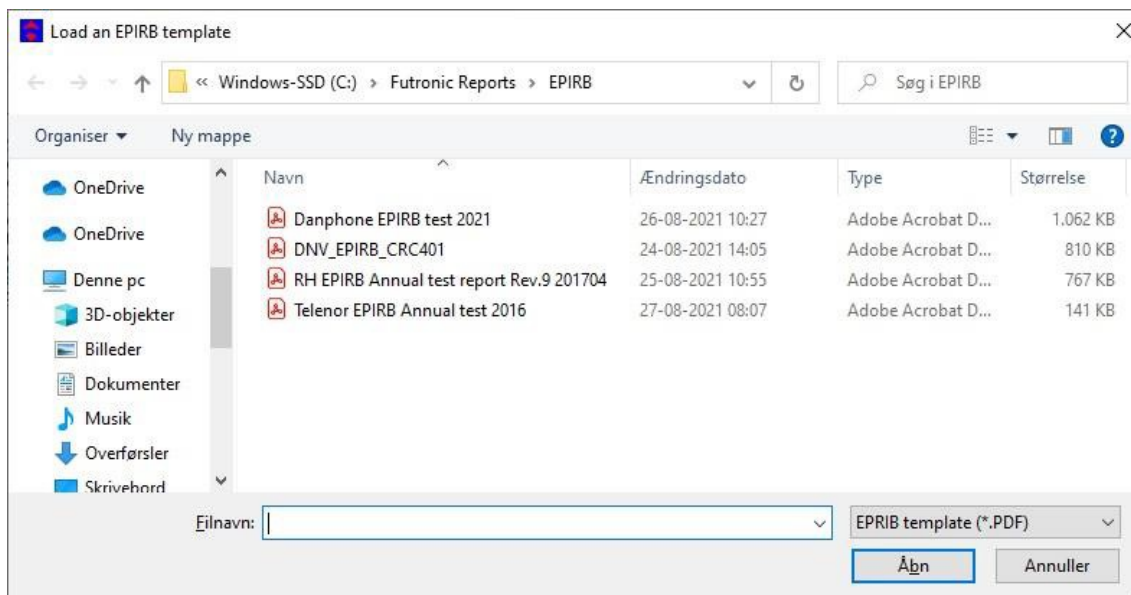
This allows you to save the results on a PC and bring them into your own rest report format if needed.

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.

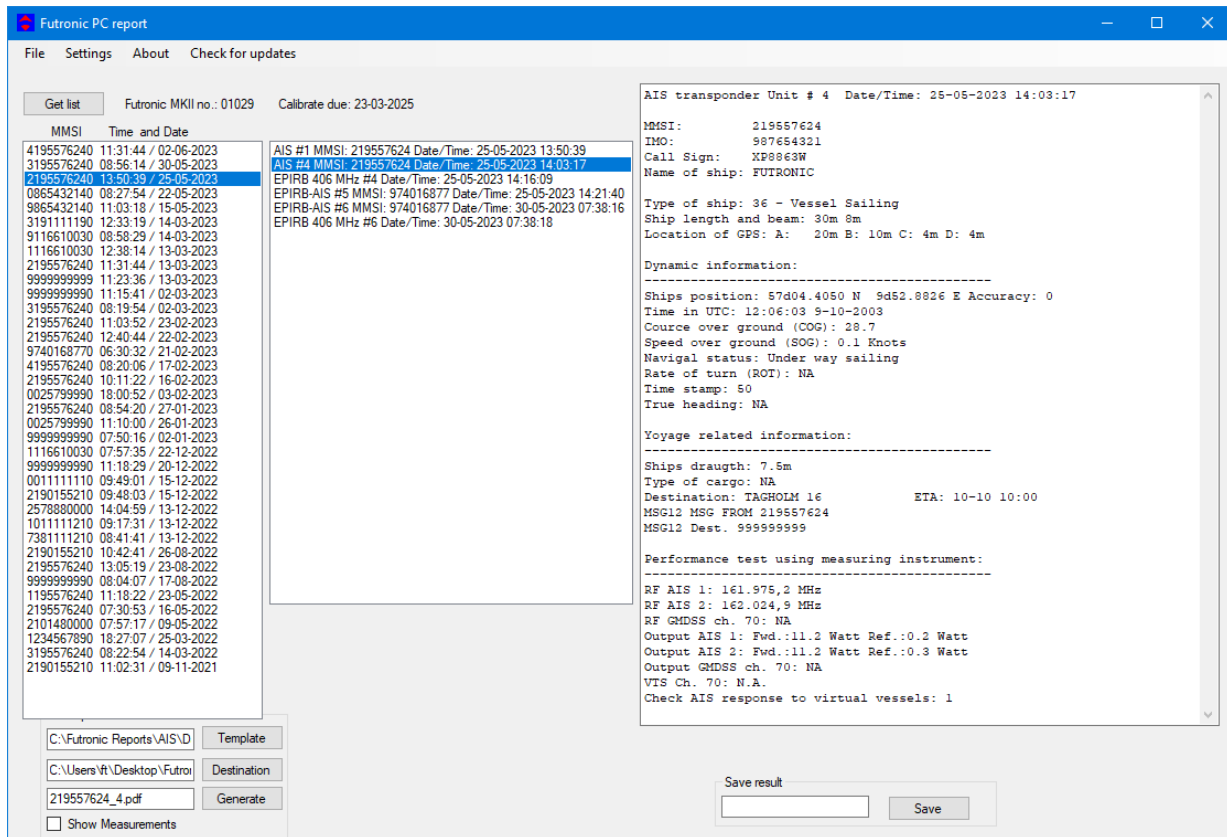
EPIRB Test Report with Danphone template

EPIRB 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:	406,031.0 kHz
RF level measured:	222
Message decoding:	BCH code check ok
Hex message:	FFED08DBD3C00751FEFFA7BEC7861F0FABE
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 02062023	

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

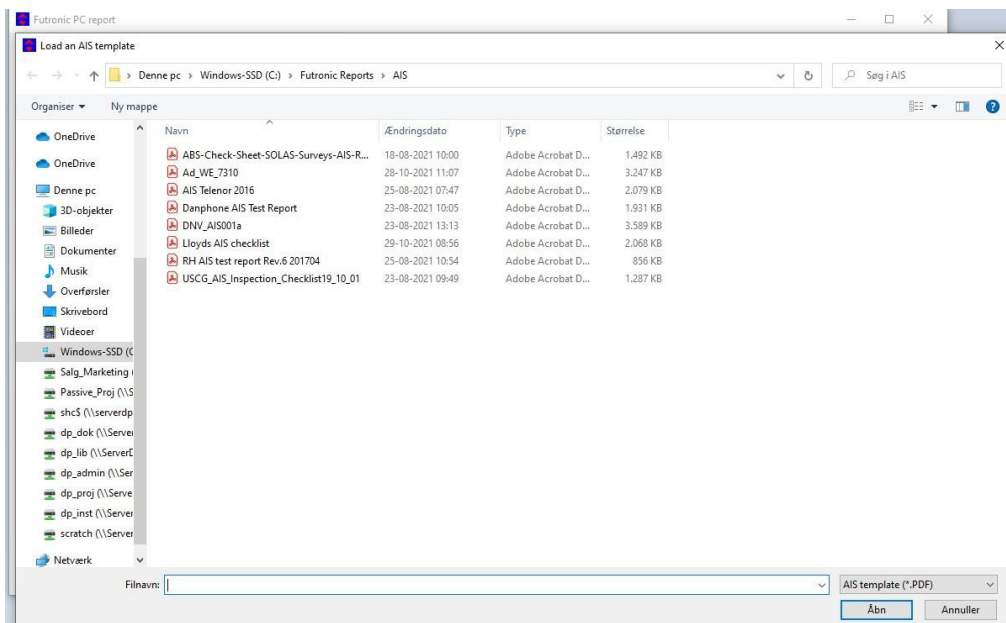
Create AIS Report

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	✓
1.2 Type approval certificate	✓
1.3 Initial installation configuration report on board?	✓
1.4 Drawings provided? (Antenna, AIS-arrangement and block diagram)	✓
1.5 Main source of electrical power	✓
1.6 Emergency source of electrical power	✓
1.7 Capacity to be verified if the AIS is connected to a battery	✓
1.8 Pilot plug near pilots operating position?	✓
1.9 120 V AC provided near pilot plug? (Panama and St. Lawrence requirement)	✓
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 - Visual Sailing 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 9441.0183 N 5741.2 3647 N Low > 10m	
3.1 Ships position with accuracy and integrity status (Source: GNSS)	Yes ✓
3.2 Time in UTC (Source: GNSS)	08:51:53 30.4.2021 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 Ships 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 162.044	✓
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	NA ✓
5.4	Read data from AIS	Yes ✓
5.5	Send data to AIS	Yes ✓
5.6	Check AIS response to "virtual vessels"	Yes ✓
6. "On air" performance test		
6.1	Check reception performance	Yes ✓
6.2	Confirm reception of own signal from other ship/ VTS	NA ✓
6.3	Polling by VTS/shore installation	NA ✓
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.

Futronic PC report

FileAboutCheck for updates

Get list

Futronic MKII no.: 01029

Calibrate due: 23-03-2025

MMSI

Time and Date

319557624008:56:14 / 30-05-2023

219557624013:50:39 / 25-05-2023

086543214008:27:54 / 22-05-2023

986543214011:03:18 / 15-05-2023

319111119012:33:19 / 14-03-2023

911661003008:58:29 / 14-03-2023

111661003012:38:14 / 13-03-2023

219557624011:31:44 / 13-03-2023

999999999911:23:36 / 13-03-2023

999999999911:15:41 / 02-03-2023

319557624008:19:54 / 02-03-2023

219557624011:03:52 / 23-02-2023

219557624012:40:44 / 22-02-2023

974016877006:30:32 / 21-02-2023

419557624008:20:06 / 17-02-2023

219557624010:11:22 / 16-02-2023

002579999018:00:52 / 03-02-2023

219557624008:54:20 / 27-01-2023

002579999011:10:00 / 26-01-2023

999999999907:50:16 / 02-01-2023

111661003007:57:35 / 22-12-2022

999999999911:18:29 / 20-12-2022

001111111009:49:01 / 15-12-2022

219015521009:48:03 / 15-12-2022

257888000014:04:59 / 13-12-2022

101111121009:17:31 / 13-12-2022

738111121008:41:41 / 13-12-2022

219015521010:42:41 / 26-08-2022

219557624013:05:19 / 23-08-2022

999999999908:04:07 / 17-08-2022

119557624011:18:22 / 23-05-2022

219557624007:30:53 / 16-05-2022

EPIRB-AIS #1 MMSI: 974016877 Date/Time: 30-05-2023 08:58:37

EPIRB 406 MHz #1 Date/Time: 30-05-2023 08:58:39

AIS #1 MMSI: 219557624 Date/Time: 30-05-2023 09:14:17

EPIRB-AIS #2 MMSI: 974016877 Date/Time: 30-05-2023 09:56:58

EPIRB 406 MHz #2 Date/Time: 30-05-2023 09:57:00

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

The screenshot shows the 'Futronic PC report' application window. The main window has a menu bar with 'File', 'About', and 'Check for updates'. Below the menu bar, there are buttons for 'Get list', 'Futronic MKII no.: 01029', and 'Calibrate due: 23-03-2025'. The main area is divided into two panes. The left pane displays a list of MMSI and Time and Date data. The right pane displays a detailed EPIRB-AIS report for MMSI 974016877.

Ship MMSI: 319557624

EPIRB-AIS beacon Unit # 2 Date/Time: 30-05-2023 09:56:58

Beacon MMSI: 974016877

Beacon position: NA Accuracy: 0

Course over ground (COG): NA

Speed over ground (SOG): NA

Rate of turn (ROT): NA

Time stamp: Positioning system is inoperative

AIS Message: EPIRB TEST / 1B64079420FFBFF

RF AIS 1: 161.979,1 MHz

RF AIS 2: 162.025,0 MHz

AIS message received: 2 packages.

EPIRB 406 - Frequency: 406,030.9 MHz Level: 230

Country code: 219

Protocol: Standard Location Protocol

Message: Long format - Self-Test mode

BCH code check: OK

HEXID: 1B64079420FFBFF

HexMessage: FFFED08DB203CA107EDFFE384A7783E0F66C

Latitude: default Longitude: default

Decode: MMSI: 016521 Specific Beacon: 0

Maritime MMSI: 219015521

Encoded position data source: Internal

121.5 MHz Homing: Yes

EPIRB report

Phone EPIRB-AIS 2023.pdf **Template**

C:\Users\W\Desktop\Testt **Destination** **Save result**

219015521_1.pdf **Generate** **Save**

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