

Application for Consent to conduct  
Marine Scientific Research

Date: 16/12/2014

1. General Information

1.1 Cruise name and/or number: CE15002 EM302 Acceptance trial
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1.2 Sponsoring Institution(s):	
Name: Marine Institute	
Address: Renville , Oranmore, Galway, Ireland	
Name of Director: Dr Peter Heffernan	

1.3 Scientist in charge of the Project:	
Name: Kevin Sheehan	
Country: Ireland	
Affiliation: Marine Institute	
Address: Renville , Oranmore, Galway, Ireland	
Telephone: +353 91 387359	
Fax:	
Email: Kevin.sheehan@marine.ie	
Website (for CV and photo): www.marine.ie	

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name: n/a	
Affiliation:	
Address:	
Telephone:	
Fax:	
Email:	
Website (for CV and photo):	

2. Description of Project

2.1 Nature and objectives of the project:
Testing and Calibration of a EM302 multibeam system and testing of a Deepwater Sub Bottom profiling system which are being fitted in Falmouth Dockyard . This is a calibration and acceptance test of a hydrographic sonar and a Sub Bottom Profiling system

2.2 If designated as part of a larger scale project, then provide the name of the project and the Organisation responsible for coordinating the project: n/a
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2.3 Relevant previous or future research projects:
n/a

2.4 Previous publications relating to the project:

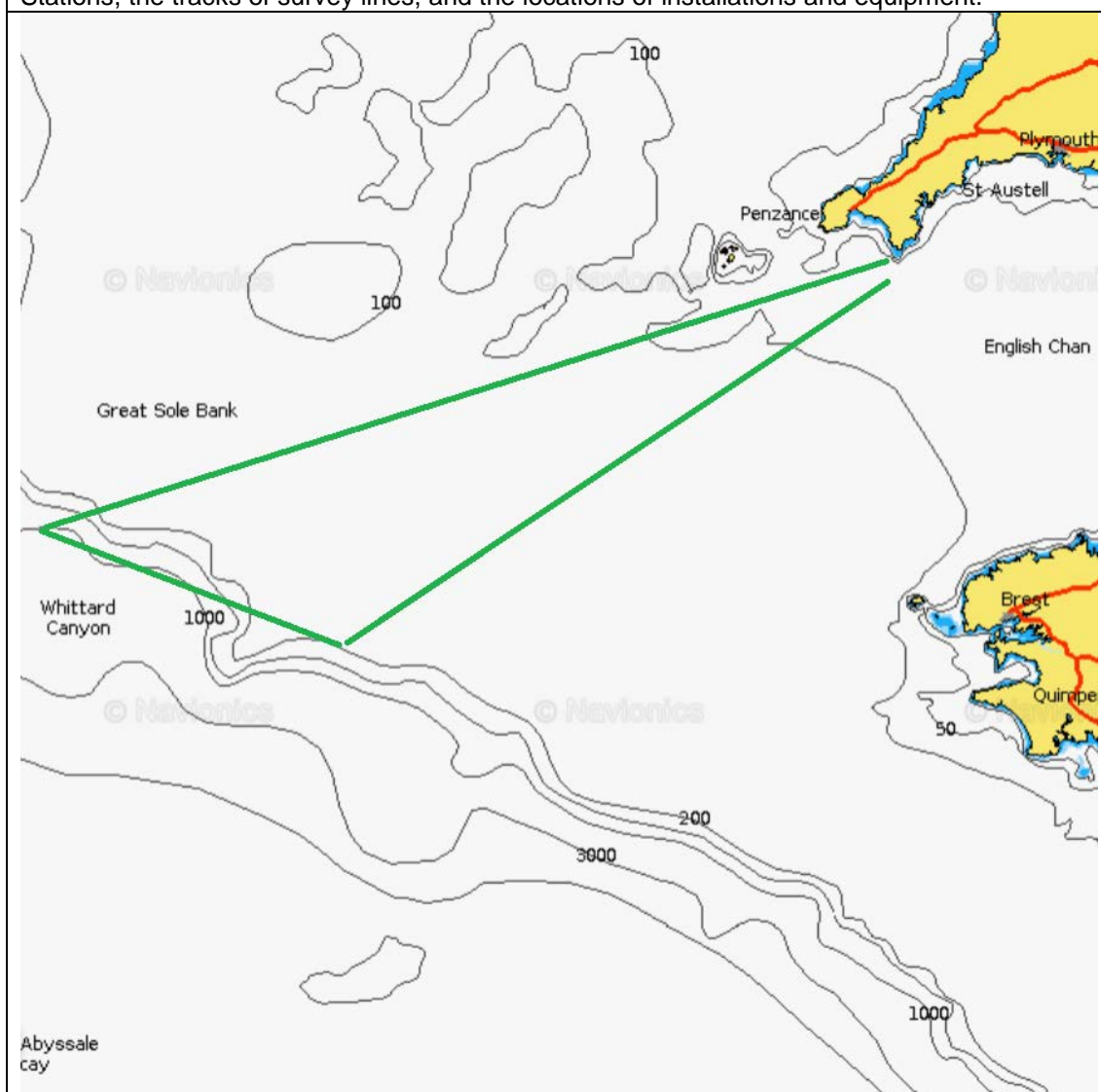
n/a

3. Geographical Areas

3.1 Indicate geographical areas in which the project is to be conducted (with reference in Latitude and longitude in decimal degrees, including coordinates of cruise/track/way points/sampling stations). Please provide coordinates in a separate excel spreadsheet.

The vessel will operate the systems en route to deeper international /Irish waters to complete deepwater calibrations . Please see below the likely area of operation en route to international waters (exact track dependent on weather conditions)

3.2 Attach chart(s) at an appropriate scale (1 page, high-resolution) showing the geographical Areas of the intended work and, as far as practicable, the location and depth of sampling Stations, the tracks of survey lines, and the locations of installations and equipment.



4. Methods and means to be used

4.1 Particulars of vessel:

Name:	Celtic Explorer
Type/Class:	Multipurpose Research Vessel
Nationality (Flag State):	Irish

Identification Number (IMO/Lloyds No.):	D100 A1 ICE CLASS ID + UMS +SCM DP (CM)
Owner:	Marine Institute
Operator:	P&O Maritime Services
Overall length (meters):	65.5
Maximum draught:	5.7m
Displacement/Gross Tonnage:	2425T
Propulsion:	2 x 1530 KW, 1000Rpm, 1 x 1020 KW, 1000 Rpm
Cruising & maximum speed:	10 & 16 knots
Call sign:	EI GB
INMARSAT number and method and capability of communication (including emergency frequencies):	00353 91 423397 / 00353 91 423433 00870 763066743 00 353 87 9678520 / 00 353 86 1735500
Name of Master:	Antony Hobin/Denis Rowan
Number of Crew:	13-15
Number of Scientists on board:	18-20 max

4.2 Particulars of Aircraft:	
Name:	
Make/Model:	
Nationality (flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall Length (meters):	
Propulsion:	
Cruising & Maximum speed:	
Registration No.:	
Call Sign:	
Method and capability of communication (including emergency frequencies):	
Name of Pilot:	
Number of crew:	
Number of scientists on board:	
Details of sensor packages:	
Other relevant information:	

4.3 Particulars of Autonomous Underwater Vehicle (AUV):	
Name:	
Manufacturer and make/model:	
Nationality (Flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall length (meters):	
Displacement/Gross tonnage:	
Cruising & Maximum speed:	
Range/Endurance:	
Method and capability of communication (including emergency frequencies):	
Details of sensor packages:	
Other relevant information:	

4.4 other craft in the project, including its use:

4.5 Particulars of methods, full description of scientific instruments to be used:-(for fishing
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gear specify type and dimension) and location			
Types of samples and Measurements:	Methods to be used:	Instruments to be used:	To be carried out within 12nm (yes or no):
Hydrographic data	Multibeam echsounder	Simrad EM302	NO
Water Colum Data (Sound velocity profile)	Sound Velocity probe	Seabird Sbe 911 CTD	NO
Geophysical	"Chrip" sub bottom profiler	IXSEA Echoes 3500 T7	NO

4.6 Indicate nature and quantity of substances to be released into the marine environment:

N/A

4.7 Indicate whether drilling will be carried out. If yes, please specify:

N/A

4.8 Indicate whether explosives will be used. If yes, please specify type and trade name, Chemical content, depth of trade class and stowage, size, depth of detonation, frequency of Detonation, and position in latitude and longitude:

N/A

## 5. Installations and Equipment

Details of installations and equipment (including dates of laying, servicing, method and Anticipated timeframe for recover, as far as possible exact locations and depth, and Measurements):

N/A

## 6. Dates

6.1 Expected dates of first entry into and final departure from the research area by the research vessel and/or other platforms:

15<sup>TH</sup> Feb-23<sup>rd</sup> Feb

6.2 Indicate if multiple entries are expected:

No

## 7. Port Calls

7.1 Dates and Names of intended ports of call:

n/a

7.2 Any special logistical requirements at ports of call:

n/a

7.3 Name/Address/Telephone of shipping agent (if available):

Dave Osborne  
Agency  
Falmouth

Tel.44-1326-211500  
Fax.44-1326-317401  
Email: [agency.fal@denholm-wilhelmsen.com](mailto:agency.fal@denholm-wilhelmsen.com)

8. Participation of the representative of the coastal State

8.1 Modalities of the participation of the representative of the coastal State in the research Project:

n/a

8.2 Proposed dates and ports for embarkation/disembarkation:

Mobilise Falmouth 15<sup>th</sup>/Feb /Demob Galway 23rd Feb

9. Access to Data, Samples and Research Results

9.1 Expected dates of submission to coastal State of preliminary report, which should include The expected dates of submission of the data and research results:

n/a Calibration of systems only

9.2 Anticipated dates of submission to the coastal State of the final report:

n/a we are not undertaking any research

9.3 Proposed means for access by coastal State to data (including format) and samples:

n/a we are not undertaking any research

9.4 Proposed means to provide coastal State with assessment of data, samples and Research results:

n/a we are not undertaking any research

9.5 Proposed means to provide assistance in assessment or interpretation of data, samples And research results:

n/a we are not undertaking any research

9.6 Proposed means of making results internationally available:

n/a we are not undertaking any research

10. Other permits Submitted

10.1 Indicate other types of coastal state permits anticipated for this research (received or Pending):

n/a

11. List of Supporting Documentation

11.1 List of attachments, such as additional forms required by the coastal State, etc.:

n/a

Signature:

Contact information of the focal point:  
Name: Aodhan Fitzgerald

Country: Ireland  
Affiliation: Marine Institute  
Address: Renville, Oranmore, Galway, Ireland  
Telephone: +35387 2488765  
Fax:  
Email: [afitzgerald@marine.ie](mailto:afitzgerald@marine.ie)