


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

|  |  |  |
|--|--|--|
| <br>2625<br>Accredited to<br>ISO/IEC 17025:2017 | <b>The European Marine Energy Centre Limited</b>   |  |
|  | Issue No: 012  | Issue date: 04 May 2021  |
|  | <b>The Charles Clouston Building, ORIC<br/>Back Road<br/>Stromness<br/>Orkney<br/>KW16 3AW</b> | <b>Contact: Mr N Kermode<br/>Tel: +44 (0) 1856 852060<br/>Fax: +44 (0) 1856 852068<br/>E-Mail: neil.kermode@emec.org.uk<br/>Website: www.emec.org.uk</b> |
| <b>Testing performed by the Organisation at the locations specified below</b>  |  |  |

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

| Location details                                    | Activity   | Location code  |   |
|---|--|--|---|
| <b>Address</b><br>Billia Croo<br>Orkney             | <b>Local contact</b><br>Lesley Bews<br>Lesley.Bews@emec.org.uk | Electrical power output<br>corresponding to measured<br>wave condition   | A |
| <b>Address</b><br>Fall of Warness<br>Eday<br>Orkney | <b>Local contact</b><br>Lesley Bews<br>Lesley.Bews@emec.org.uk | Electrical power output<br>corresponding to measured<br>tidal conditions | B |

#### Site activities performed away from the locations listed above:

| Location details  | Activity   | Location code  |   |
|---|--|--|---|
| Any location Remote sites<br>assessed to be suitable by the<br>test lab | <b>Local contact</b><br>Lesley Bews<br>Lesley.Bews@emec.org.uk | Electrical power output<br>corresponding to measured<br>tidal conditions | C |
| Any location Remote sites<br>assessed to be suitable by the<br>test lab | Lesley Bews<br>Lesley.Bews@emec.org.uk                         | Electrical power output<br>corresponding to measured<br>wave condition   |   |



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DETAIL OF ACCREDITATION

| Materials/Products tested       | Type of test/Properties measured/Range of measurement                                     | Standard specifications/ Equipment/Techniques used  | Location Code |
|---------------------------------|---|---|---------------|
| Tidal Energy Conversion Systems | Electrical power output corresponding to measured tidal conditions at the stated location | <p>Voltage up to 66kV nominal AC at 50Hz or 60Hz on 3-phase or 1-phase systems compliant with relevant local grid requirements.</p> <p><b>In-house documented methods based on the relevant sections of the following standards:</b></p> <p><i>Assessment of Performance of Tidal Energy Conversion Systems ISBN 978-0-580-65031-4</i></p> <p><i>IEC/TS 62600-200 (2013) Marine energy - Wave, tidal and other water current converters - Part 200: Electricity producing tidal energy converters - Power performance assessment</i></p> <p><i>IEC TS 62600-201: (2015) Marine energy - Wave, tidal and other water current converters - Part 201: Tidal energy resource assessment and characterization</i></p> <p>[1] Excludes any criteria for reporting of local meteorological conditions.</p> | B, C          |



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| Materials/Products tested      | Type of test/Properties measured/Range of measurement                                    | Standard specifications/ Equipment/Techniques used  | Location Code |
|--------------------------------|--|---|---------------|
| Wave Energy Conversion Systems | Electrical power output corresponding to measured wave conditions at the stated location | <p>Voltage up to 66kV nominal AC at 50Hz or 60Hz on 3-phase or 1-phase systems compliant with relevant local grid requirements</p> <p><b>In-house documented methods based on the relevant sections of the following standards:</b></p> <p><i>Assessment of Performance for Wave Energy Conversion Systems ISBN 978-0-580-65549-4.</i></p> <p><i>IEC/TS 62600-100 (2012) Marine energy - Wave, tidal and other water current converters - Part 100: Electricity producing wave energy converters - Power performance assessment.</i></p> <p><i>IEC/TS 62600-101: (2015) Marine energy - Wave, tidal and other water current converters - Part 101: Wave energy resource assessment and characterization.</i></p> <p>[1] Excludes any criteria for reporting of local meteorological conditions.</p> | A, C          |
| END                            |  |   |               |