



IEC TC 114 – Developing Standards for a Global Industry

*Global Marine Renewable Energy Conference
Seattle, Washington
April 11-12, 2010*

Chair IEC TC 114
Melanie Nadeau, P.Eng., NRCan

- International Electrotechnical Commission (IEC) is the body that prepares and publishes international standards for all electrical, electronic and related technologies
- IEC established Technical Committee (TC) 114 on *Marine Energy: Wave, tidal and other water current converters* in 2007
- 13 Member Countries with participating status (P-member), 7 Countries as observers (O-member), 79 subject matter experts assigned to project teams
- Formal Liaisons established
 - TC 4 – Hydraulic Turbines
 - TC 88 – Wind Turbines
 - IEA – OES
 - EquiMAR

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Scope of IEC TC 114

To prepare international standards for marine energy conversion systems. The primary focus is on the conversion of wave, tidal and other water current energy into electrical energy, although other conversion methods, systems and products are included. Tidal barrage and dam installations, as covered by TC 4, are excluded.

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IEC TC 114 Standards

- Standards produced by TC 114 will address:
 - System definition
 - Performance measurement of wave, tidal and water current energy converters
 - Resource assessment requirements
 - Design and safety requirements
 - Power quality
 - Manufacturing and factory testing
 - Evaluation and mitigation of environmental impacts

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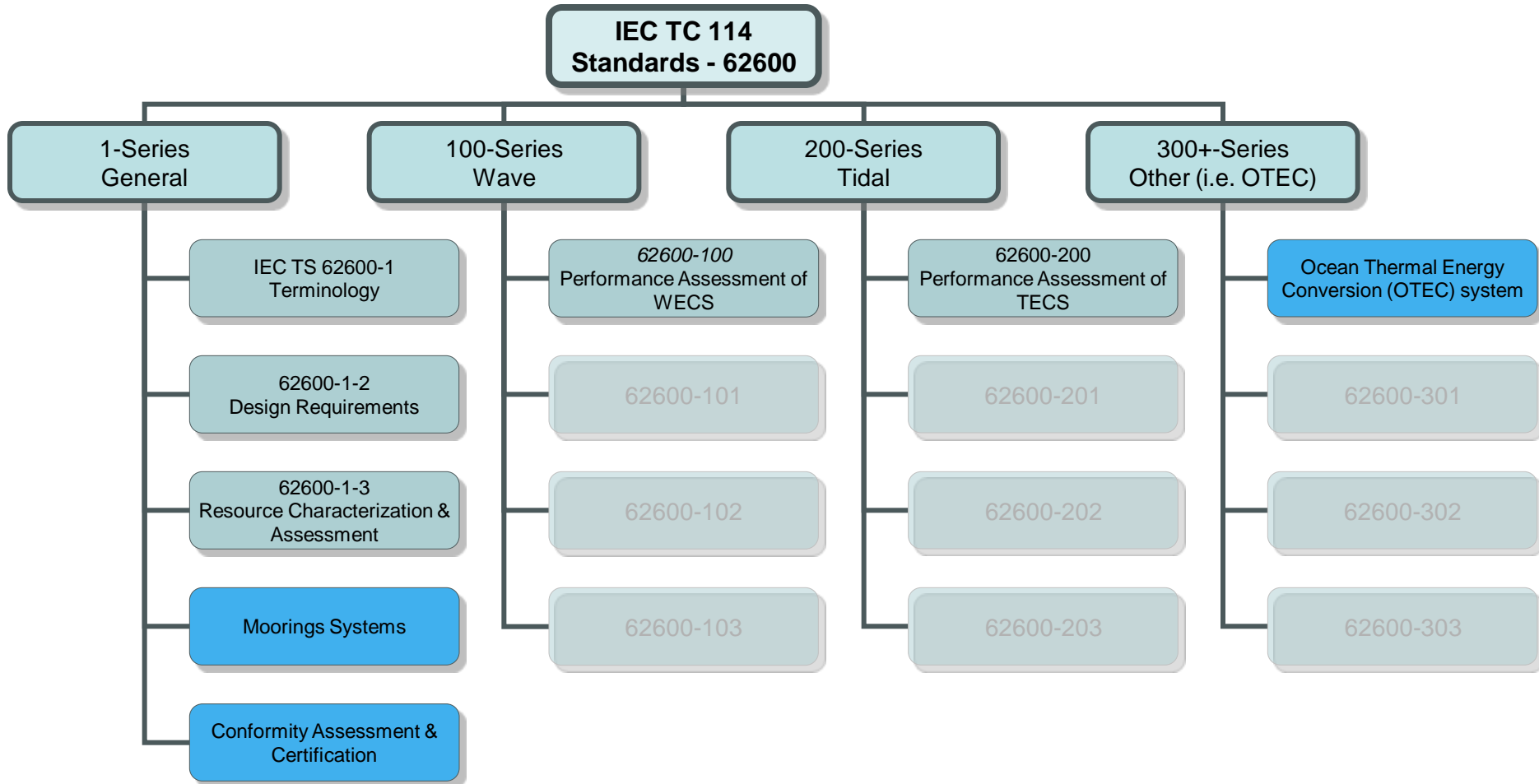


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Work Programme



PT or WG established
 NWIP issued

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