

International Standards

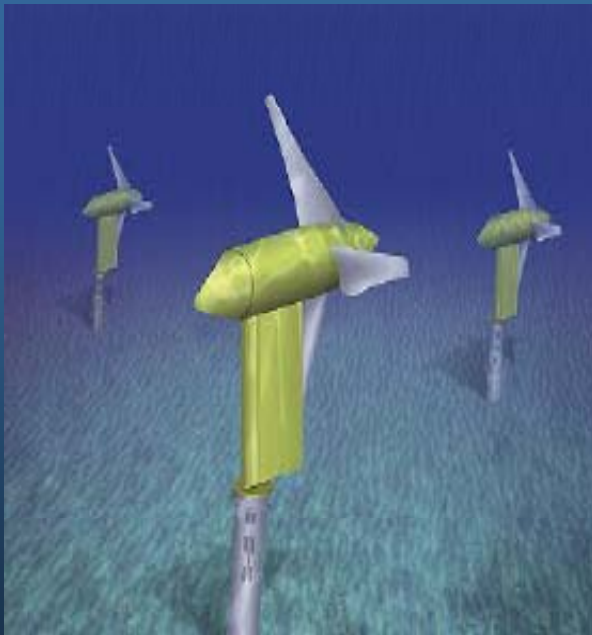
James Taylor

GM, Environmental Planning and
Monitoring, Nova Scotia Power
Chair, CSC TC114



What?

- A set of standards to be used around the world in the development, deployment and operation of devices converting marine energy to another form of energy, most notable being electricity.



Why?

- Standards provide common basis for global efforts
- Common language, common rules, common basis for data all leading to a safer, more rapid and effective move to commercialization and widespread deployment
- Useful to developers, end-users, regulators
- Designed to allow flexibility and innovation



When?

- IEC typically has a three year timeframe before first published documents
- Kick off meeting was in May 2008 in Ottawa
- CSC TC114 met in advance and have followed up with teleconferences
 - CSC TC114 has put forward a new work item on Terminology which we would lead (Ghanashyam Ranjitkar, NRCan)

Next Steps

- Terminology Work Item comment period followed by any necessary revisions
- Progress Terminology Work Item
- Participate in other Work Items
 - Resource Assessment (New Zealand)
 - Design and Safety (USA)
 - Wave (UK)
 - Performance Evaluation (UK)
- Next IEC TC114 meeting in May, 2009

NSPI Demonstration Update

- Open Hydro
 - Contract executed
 - 6 M gravity base at EMEC
- Common Facility
- 10 m, 1 MW nameplate turbine/generator
- Fall of 2009 target in service date
- Design well underway, evaluation for gravity base fabrication and assembly NSPI Capital work Order approved (\$3.35 M)
- NSPI/SDTC Contribution Agreement negotiated (\$4.65M)



**IEC
Melanie Nadeau
NRCAN**

- Canada
- Brazil
- China
- Denmark
- France
- USA
- United Kingdom
- New Zealand
- Sweden
- And 9 other member countries

**TC114-4
James Taylor, NSPI
Russell Stothers,
Clean Current**

- Marcel Boridy
- Ali Moshref
- Andrew Cornett
- Bill Rawlings
- Callum Campbell
- Emile Baddour
- Chad Oldfield
- Gouri Bhuyan
- Graham Rae Dulmage
- Heather Quinn
- Jeff Shikaze
- Nancy Rondeaux
- Phil Wong
- Ghanashyam Janjitkar
- Sam Loggia
- Voytek Klaptocz
- Richard Grant
- Philip Huntley