

Marine Energy Standards Where are we now?

**John Griffiths
Technical Director EMEC**

An update on Marine Standards since last year

- The standards list
- International Standards & BSI
- Ad Hoc Working Group
- Workshops in March 07
- Programme and milestones
- Individual Work Groups
- Use of funding
- Sponsorship
- Contact Points

List of Standards

- **Tidal Stream Device Performance Testing**
- **Wave Device Performance Testing**
- **Environmental Performance Guide**
- **Tank Testing**
- **Wave Resource Assessment Practice**
- **Project Development Guide**
- **Health and Safety Statement**
- **Reliability, Survivability and Maintainability**
- **Grid Interface**
- **Basis of Design of Devices**
- **Tidal Resource Assessment Practice**
- **Manufacture and Factory Testing of Devices**
- **Certification Scheme Requirements**

International Standards & BSI

- **Selected standards will be submitted to a new IEC Technical Committee**
- **UK “Mirror” Committee to be formed**
- **AD Hoc Working Group up and running**
- **Meetings 2 or 3 per year at BSI, W London**
- **Will oversee all documents on behalf of industry**

AD Hoc Working Group

- **Bill Cooper/Nick Kitson – ABP MER**
- **Ian Masters – Swan Turbines/U of Swansea**
- **Paul Mitchell – Lloyds Register**
- **Rob Rawlinson-Smith – Garrad Hassan**
- **Michael Starling – BMT Renewables**
- **Peter McGarley – Econnect**
- **Peter Hodgetts –Searoc (UK)**
- **Trevor Whittaker QU Belfast**
- **Ian Richardson – BSI (Secretary)**
- **John Griffiths – EMEC (Chair)**

**Also need representation from Insurance Sector,
Wave Developer and DTI**

March 07 Workshops

- One day on Health & Safety document
- One day on overall strategy for standards
- Attendees total > 100
- 25 people signed up to assist with H&S which Fraser Johnson and Peter Hodgetts will lead.
- 43 people are signed up so far to form working groups for other 12 documents
- Days were Sponsored by E.ON
- Two more Utilities discussing sponsorship of further workshops (Dates tba)

Programme & Milestones

Action/ Qtrs	1	2	3	4	5	6	7
Set-up	█						
Scopes		█					
1st Drafts			█	█			
Peer Reviews			█	█			
2 nd Drafts				█	█		
Final Reviews				█	█	█	
Adjust Drafts						█	
Publishing						█	
Submissions							█

Individual Workgroups

- Each document has group assigned to it
- Two Leadership people for each
- Groups have between 5 & 19 names
- Groups will progress documents with admin support based at EMEC
- Additional group members welcomed
- Will work to programme as far as practical

Use of Funding

Funding by DTI and Scottish Executive:

- **For Author's time**
- **For any necessary study or position paper**
- **For publishing**
- **Travel and subsistence for academics to attend essential meetings**

Sponsorship of Workshops

This is welcomed for larger workshops

- Several groups will attend a workshop
- Short plenary sessions and document review/development

Looking towards two Workshops in the Autumn



Points of Contact

- For administrative matters:

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- For overview and matters of principle:

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