



VLVnT Workshop

October 5-8, 2003

NIKHEF, Amsterdam

Electrical Power System

A possible list of arguments that could be discussed on this working group:

- Electrical Power System On actual experiments:
 - Antares experience
 - Nemo experience
 - Nestor experience
 - Others experience

P. Vernin
R. Cocimano
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Waiting possible participation
- VLVnT Submarine electro-optical Main Cable:
 - AC or DC
 - Monopolar or Bipolar
 - Mechanical aspects on deployment
 - Connection to off shore distribution network
 - Legal Aspects, Interaction and Conflicts Between the Fishing Industry
 - Maintenance
- VLVnT Submarine electro-optical cables Off Shore Distribution Network and Topology:
 - AC or DC
 - Cables technology
 - Network Topology
 - Mechanical aspects on deployment

- Connection Techniques
 - Security and Maintenance

- VLVnT Submarine electro-optical cables String/Tower Distribution:
 - AC or DC
 - Cables technology
 - Network Topology
 - Mechanical aspects on deployment
 - Connection Techniques
 - Security and Maintenance

- VLVnT Electrical Power System Shore Station:
 - Switchgear and Topology
 - UPS
 - Power Transformers
 - Dynamic Stability
 - Monitoring and Controls
 - Security and Redundancy

- VLVnT Electrical Power System Off Shore Network:
 - Power Transformers
 - Distribution Network
 - Dynamic Stability
 - Junction Box and Galvanic Isolation
 - Connection Techniques
 - Start-up
 - Monitoring and Controls
 - Security and Redundancy
 - Quality Assurance and Testing
 - Maintenance

- VLVnT Electrical Power System String/Tower Distribution:
 - Distribution Network
 - Junction Box and Galvanic Isolation
 - Connection Techniques
 - Monitoring and Controls
 - Security and Redundancy
 - Quality Assurance and Testing
 - Maintenance