

INTEGRATED OCEAN DRILLING PROGRAM 2003-2013

Engineering Development Panel (EDP)

1. General Purpose. The Engineering Development Panel (EDP) reports to the Science Planning Committee (SPC), and may communicate directly with IODP Management International (IODP-MI). The panel shall provide advice on matters related to the technological needs and engineering developments necessary to meet the scientific objectives of active IODP proposals and the IODP Initial Science Plan (ISP) to the SPC; through the SPC, to the Science Planning and Policy Oversight Committee (SPPOC) and IODP-MI; and, through IODP-MI, to the implementing organizations (IOs).

2. Mandate. The EDP shall identify long-term (two- to five-year lead time) technological needs determined from active IODP proposals and the ISP, and recommend priorities for engineering developments to meet those needs, both for the annual IODP engineering plan and on a longer term. Appropriate topics shall include:

- a. Assessment of commercial, off-the-shelf technology to determine if it can optimally meet identified IODP technological needs or whether research and development is required.
- b. Appropriate modes for pursuing engineering development projects (i.e., through the IODP, universities, industry, or joint ventures).
- c. Performance requirements for specific technological needs.
- d. Procedures to develop and evaluate program contracts in support of technical design and innovation.

As requested by the Science Steering and Evaluation Panel (SSEP) or SPC, the EDP shall review IODP drilling proposals to assess IODP technological readiness to achieve the proposed objectives, and where appropriate, recommend priorities for technological approaches and necessary engineering developments.

3. Decisions. Decisions of EDP shall generally be made by consensus. If voting is required, motions shall be decided by a majority of all members present and eligible to vote. A quorum shall consist of at least two-thirds of the voting members. Voting records shall be kept and reported in the meeting minutes.

4. Meetings. The EDP shall convene biannually, generally approximately mid-way between SPC meetings, and additional electronic meetings may be held as appropriate. Robert's Rules of Order shall govern its meetings. Conflicts of interest shall be declared at each meeting, and treatment thereof shall be recorded in the meeting minutes. The SPC chair shall approve meeting agendas, dates, and locations, and the IODP-MI Vice-President for Science Planning and Deliverables shall authorize the meetings.

5. Membership. The EDP shall consist of members who represent the fields of marine platform operations, downhole logging and instrumentation, drilling technology (including mining technology and drilling under extreme conditions), drilling engineering development, geotechnics and other disciplines as necessary. National and consortia membership entitlements for SAS panels are stated in the Memoranda among the IODP funding agencies.

The EDP chair shall work with IODP-MI and the national and consortia committees to maintain breadth of expertise in the panel membership, and to ensure regular rotation of its membership. With SPC approval, the panel augment the expertise required to address its mandate by setting up *ad hoc* advisory committees whose lifetimes are mandated by the SPC.

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EDP members shall normally serve for terms of three years, with the possibility of renewal. If an EDP member misses two meetings in succession, the EDP chair or vice-chair shall discuss the problem of SAS representation with the SPC chair or vice-chair.

6. Chair and Vice-Chair. The EDP chair and vice-chair shall be nominated by the EDP membership and approved by the SPC. Their terms shall be two years. The EDP chair shall be responsible for providing the IODP-MI Sapporo Office with meeting minutes within one month of each meeting.

7. Liaisons. The EDP chair shall be liaison to the SPC, with vice-chair as alternate. The SPC chair shall be a liaison to the EDP, with the SPC vice-chair as alternate. A representative from IODP-MI shall attend each EDP meeting. Representatives from the IOs shall also be invited to attend the meetings. EDP will send a liaison to SSEP meetings.

HISTORICAL