

MINUTES OF THE COUNCIL MEETING
OF THE INSTITUTE OF NAVIGATION

(January 17, 2006)

Subject to the approval of the ION Council the following minutes are submitted. The Council Meeting was called to order on January 17, 2006 at the Hyatt Regency in Monterey, California at 7pm. Those present were:

VOTING COUNCIL MEMBERS:

<u>Name</u>	<u>Office Held</u>
Jim Doherty	President
John Lavrakas	Executive VP, Strategic Plan Chair
John Clark	Treasurer
Dr. Chris Hegarty	Eastern VP & Publications Chair
Tom Stansell	Western VP
Dr. Penina Axelrad	Immediate Past President
Dr. Dorota Brzezinska	Eastern Council Member-at-Large
John Nielson	Western Council Member-at-Large
Dr. Michael Moreau	Space Rep.
Dr. Richard Langley	Space Rep.
Dr. Anthea Coster	Land Rep.
Dr. Gerard Lachapelle	Alberta Section Chair & Fellow Selection Chair
Dr. Mike Miller	Dayton Section Chair & Sections Chair
Phil Simpson	New Mexico Section Chair
Len Jacobson	Finance Chair
Dr. Sam Pullen	Membership Chair
Dr. Frank van Graas	Meetings Chair & Past President
Dr. Richard Greenspan	Bylaws Chair & Past President
Dr. Per Enge	Past President
Ron Hatch	Past President
Karen Van Dyke	Past President
Keith McDonald	Past President

NON-VOTING MEMBERS:

<u>Name</u>	<u>Position Held</u>
Doug Taggart	Congressional Fellow
Dr. Chris Bartone	Outreach Chair
Dr. Park Petrovello	Outreach: Education & Students
Carl Andren	Technical Director
Lisa Beaty	Director of Operations
Mitch Narins	Observer

It was determined that a quorum was achieved.

AGENDA:

See Attached File: [Agenda January 2006.doc](#)

Approval of June 2005 Meeting Minutes

Motion: **The June 2005 Council Meeting Minutes are approved as submitted.** Motion made by Penny Axelrad, seconded by Richard Greenspan and passed by the Council.

Notification of Annual Awards Committee Membership

Jim Doherty, President, reported that he had verified eligibility and approved proposed committee members submitted by Ron Braff, Annual Awards Committee Chair.

Approval 2006 ION Fellows

Dr. Gerard Lachapelle, ION Fellows Chair, reported that membership of the 2006 ION Fellow Section Committee had consisted of the following ION Fellows: Gerard Lachapelle (Chair), Per Enge, Larry Hothem, Pratap Misra, Tom Stansell and Karen Van Dyke.

The Fellow Selection Committee recommended the following to be inducted as fellows in 2006: John Betz, Duncan Cox and Todd Walter.

Motion: **Council elects John Betz, Duncan Cox and Todd Walter as the ION's 2006 Fellows.** Motion made by Gerard Lachapelle, seconded by Sam Pullen and passed by the Council.

Proposed Cooperative MOUs

Dr. Brzezinska reported that the ION had jointly sponsored sessions with the ISPRS and the IAG at the 2007 National Technical Meeting as a result of the cooperative agreements approved with both of these organizations in June 2005.

Dr. Brzezinska proposed the Council consider cooperative MOUs with AIAA and FIG, Commission 5.

ION & AIAA:

Dr. Brzezinska distributed copies of the proposed memorandum of agreement between ION and AIAA and recommended the ION approve the document and establishes the joint committee to coordinate future collaborative efforts between ION and AIAA as called for in the MOU. She also noted that the AIAA had already approved and signed the document.

See Attached File: [AIAA ION Cooperative Agreement.pdf](#)

Motion: Council approves the cooperative agreement between ION and AIAA as submitted. Motion made by Len Jacobson, seconded by Anthea Coster and passed by the Council.

Motion: The joint AIAA and ION working group referenced in the collaborative agreement shall include the following members from the ION: Len Sugerman, Dr. Michael Moreau & Dr. Richard Langley (ION Space Representatives) and Dr. Chris Hegarty (Publications Chair) who shall write a navigation section in the AIAA's annual journal. Motion made by Penny Axelrad, seconded by Michael Moreau and passed by the Council.

ION & FIG/ Working Group 5:

The proposed MOU was circulated to Council.

See Attached File: [FIG Wk Group 5 ION Proposed MOU.pdf](#)

Dr. Lachapelle questioned whether or not the MOU with FIG Working Group 5 (international organization) would benefit the ION. He suggested if a MOU such as this were to be approved that it be approved with an automatic expiration date, or that any approved MOU be approved for no more than two years.

There was some concern over whether or not the ION would fund travel for an ION Council representative to attend/participate in FIG's board meetings. Dorota suggested there was no financial obligation implied by either organization. Several members of Council suggested that a member of FIG may attend an ION Council meeting as a participant but that they should not be a voting member.

Tom Stansell suggested ION dialog with ACSM, the US representative to the FIG, prior to signing a joint MOU directly with FIG.

Motion: The Council declined to approve the proposed MOU with FIG Working Group 5 at this time. Further discussion regarding any future MOU's with FIG Working Group 5 shall first require the ION to get an opinion from ACSM. Motion made by Gerard Lachapelle, seconded by John Nielson and passed by the Council.

Bylaws Report, Vote Proposed Changes to Bylaws

See Attached Files: [Bylaws Committee Report.doc](#)
[Bylaws January 17, 2006 Proposed.doc](#)

Richard Greenspan, Bylaws Committee Chair, asked that the Council approve the revised bylaws discussed during the June 2005 Council meeting and then distributed to the entire Council by e-mail in November 2005.

It was reported that the recommended changes were to accomplish the following objectives:

1. **CHANGE OFFICER'S CURRENT TERM OF OFFICE:** It is proposed that the Council change the term of office for in-coming elected ION officers so that from this point forward, in-coming officers will take office at the conclusion of the ION's winter meeting rather than at the conclusion of the ION's summer meeting. This is to better accommodate having the ION's summer meeting cosponsored by other qualified organizations. Furthermore, it has been proposed that in order to transition the current nomination schedule, current 2005-'06 officers' term of office will be extended for six months and current officers will remain in office until the conclusion of the January 2007 winter meeting.
2. **UPDATE CHECK SIGNATURE AUTHORITY TO ALIGN WITH CURRENT PRACTICE:** It is proposed that Council change check signing authorization to allow for one Council approved signature on checks equal or less than \$2,500; and to allow for two Council approved signatures on checks over \$2,500, where one of the two signatures does not have to be the elected Treasurer.
3. **EXTEND AUTHORITY TO THE EXECUTIVE COMMITTEE TO APPROVE NATIONAL OFFICE SALARIES BUT NOT APPROVE BYLAWS CHANGES:** This change establishes that bylaws changes required the approval of the entire Council, but that salary determination is delegated to the ION's Executive Committee.

Additionally, Penny Axelrad requested that Dr. Greenspan recommended to Council changes to make the bylaws gender neutral.

- Motion:** Council approves the following changes to the bylaws as reflected in the copy of the bylaws discussed at the June 2005 Council meeting and distributed to Council via e-mail in November 2005:
- Change the term of office as so that in-coming officers take office at the conclusion of the ION's winter meeting. Council approved the current officers' term of office is to be extended through the conclusion of the January 2007 winter meeting to accommodate this change.
 - Checks greater or less than \$2,500 may be signed by one Council approved signer. Checks greater than \$2,500 shall require two Council approved signers.
 - Council delegates authority to the Executive Committee to establish salaries. Council requires bylaws changes and amendments be approved by the Council as a whole and Council does not delegate this authority to the Executive Committee. (Refer to change noted Article IV, Section 2, Duties and Responsibilities of Council.)
 - Article 7 Line 2. Delete the inclusion of the District of Columbia in the list of States and insert the following text after WI, WV:,...and the District of Columbia...
 - Article 1 Section 6 line 4: We no longer have a "Senior Member" class. Modify the sentence as follows: These individuals can become Fellows if nominated and elected.

- Article 1 Section 7 line 3: The word "their" disagrees in number with the words "A member". Modify the sentence as follows: Members may designate as many areas
- Article 4 Section 2 Line 1 of the paragraph beginning " All duties and responsibilities..." Modify sentence to exclude item "m" rather than item "n".
- All changes required to make the current copy of the bylaws gender neutral.
- Council approves all other modifications as outlined in the Bylaws January 17, 2007 Proposed.doc including all other corrections/changes as indicated on circulated draft.

Motion made by Richard Greenspan, seconded by Chris Hegarty and passed by Council.

For Revised Copy of Bylaws that Incorporated All Changes See Attached File:
[Bylaws January 17, 2006 Approved by Council.doc](#)

Budget Approval 2006-'07 Fiscal Year

See Attached Files: [2006-'07 ION Budget.pdf](#)
[Reserve Investment Dec 31 '05.ppt](#)

John Clark, Treasurer, introduced the proposed budget and reported to Council that the budget had been reviewed and discussed via telecom by the ION's Executive Committee in December.

Lisa Beaty then reviewed the budget, the status of the reserve fund and the funding levels available in the new initiatives fund with the Council. The proposed budget deficit was then discussed. Lisa Beaty explained that part of the reason for this is that revenues from the investment funds are not available for the National Office to use as operating expenses without an express Council motion authorizing their use. For this reason dividends and investment returns revenue were not included.

Motion: Council approves the ION 2006-07 National Budget as submitted. Motion made by Sam Pullen, seconded by Penny Axelrad and passed by the Council.

Status Update CA Non-Profit Integrity Act:

Len Jacobson, ION Finance Chair, reported that per Council direction in June 2005, he had written a letter of the State of California's Justice Department regarding applicability of the ION's filing with California's Attorney General in order to comply with the CA Non-Profit Integrity Act. The California Attorney General, in response to Mr. Jacobson's letter, advised the ION to consult an attorney as to whether or not ION needed to comply with the law.

Additionally, Len reported that he had contacted the IEEE to see how they were handling the new legislation. The IEEE reported that while they had not yet done so, they intended to comply with the California law as they maintained offices in the State of California. However, other organizations such as the ILA did not plan to file.

Lisa Beaty reported that one of the reasons Council had deferred filing was their concern that other states would also begin to impose various filing requirements and Council questioned the practicality and administration of having to file in various states. Lisa reported that similar reports would have to be filed in the State of Texas in order for ION to transact business in Texas for the ION GNSS meeting. Lisa further reported that while at first blush the intent of the law did not seem applicable to ION, and ION counsel had advised Council that the decision to file was a business decision with few consequences should the ION elect not to file, as members of Council each member had a fiduciary responsibility to comply with the law when advised to do so. Lisa recommended that the ION proceed to file in 2006 and file late for 2005.

Motion: **The ION comply with the CA Non-Profit Integrity Act and direct Lisa Beaty to submit the necessary forms and application fees to the State of California.**
 Motion made by Anthea Coster, seconded by Len Jacobson passed by the Council with one opposing vote.

Postscript: Filing with the California Attorney General's Office to comply with the CA Non-Profit Integrity Act for ION's fiscal year dated April 1, 2004 – March 31, 2005 was mailed on February 1, 2006.

Meetings Report

See Attached File: [Meetings Report Jan 2006.ppt](#)

Frank van Graas, Meetings Chair, reviewed currently approved meetings schedule and status of co-sponsorships with the Council. Highlights are as follows:

PLANS 2006 Status:

It was reported that the PLANS 2006 meeting was in progress and that a detailed assessment of the meeting would occur directly following the PLANS 2006 meeting. Assessment criteria would include: value to ION members both now and in the long-term; financial risk including cost of hotel and registration; venue and scheduling review; cost of overhead and use of National Office resources for joint meeting verses regular annual meeting; effect on other ION meetings; and what worked well and what areas needed improvement.

PLANS 2008 Status:

It was reported that a joint PLANS 2008 meeting had not yet been approved by Council as this was pending a PLANS 2006 assessment. However, it was reported that the PLANS committee desired to book a hotel for 2008 and required Council direction as to what the ION would find acceptable for a co-sponsored 2008 event.

Motion: **Council dictates that in order for ION to consider a proposal for a joint PLANS 2008 event the following conditions would need to be met:**
 1) Restrict time frame: late April to late May

- 2) Hotel rates = \$200 night or less
- 3) Greater representation by ION in the organization of the PLANS Executive Committee (ex: Program Chair selection by ION).

All other criteria shall be recommended to Council following the assessment of PLANS 2006. Motion made by Frank van Graas, seconded by John Neilson and passed by Council.

Status 2007 Summer Meeting, Co-sponsors:

It was reported that an objective for the ION's summer meetings was that ION continue its tradition of having a military co-sponsor that would host a classified session. It was also recognized that it is desirable for this meeting to provide a platform for new developments and technologies and that the meeting be held on the East Coast.

In order to help achieve these goals Frank van Graas proposed that Council approve a joint sponsorship of the summer 2007 meeting with the Animal Navigation Group of the Royal Institute of Navigation (RIN), April 23-25, 2007 in Cambridge, MA. It was noted that the April dates would accommodate the co-sponsors/biologists who prefer not to meet in the summer as this is when they do their field work. It was also noted that AFRL had agreed to be military co-sponsor for this meeting as well.

Motion: Council approves the 23-25 April 2007 dates and Cambridge, MA as the location for the 2007 Annual Meeting with the RIN's Animal Navigation Group and AFRL as meeting's co-sponsors. Motion made by Frank van Graas, seconded by Anthea Coster and passed by the Council.

Congressional Fellow Reports

Doug Taggart, 2005-'06 Congressional Fellow reported to Council. He also suggested the ION mail copies of the ION newsletter to various Congressional offices.

See Attached File: [Taggart Report Jan 06.doc](#)

Appointment 2007 NTM Meeting Program Chair

Motion: Council approves the appointment of John Betz, MITRE Corp., to serve as the NTM 2007 Program Chair and Dorota Brzezinska to serve as the NTM 2007 General Chair. Motion made by Jim Doherty, seconded by Richard Greenspan and passed by Council.

NEW BUSINESS:

Smithsonian Museum Navigation and Time Exhibit:*Finding Time & Space: From Chronometers to GPS*See Attached File: [ION Outreach Smithsonian Jan 2006.ppt](#)

Jim Doherty reported that he, Chris Bartone (Outreach Chair) and Carl Andren had met with the Smithsonian on January 9, 2006 to discuss the Smithsonian's current efforts to establish and exhibit on "Finding Time & Space: From Chronometers to GPS" that is scheduled to open in late 2008 in the Air and Space Museum in DC where it would be seen by 8-9 million people per year.

Chris Bartone suggested the ION's involvement in this exhibit would likely increase the recognition of the ION and the art and science of navigation. Additionally, the ION's ability to outreach to the membership could help influence and shape the exhibit. Chris Bartone also reported that he had discussed getting the Smithsonian's cooperation with the ION's virtual museum. It was reported that at this point the Smithsonian was in need of funding and a financial contribution would likely lead to explicit recognition of the ION at the exhibit.

Motion: Council authorizes the Outreach Community to make a donation of \$25,000 towards the Smithsonian navigation exhibit and supports assisting the Smithsonian in receiving additional exposure to the ION community through interaction of Smithsonian representatives at ION meetings and through publication of informational articles in the ION newsletter. Motion made by Tom Stansell, seconded by Per Enge and passed by the Council.

The meeting was adjourned 9:35pm.

OTHER FILES INCLUDED WITH THESE MINUTES:

ION Council Contact Sheet: [Council '06-'07.doc](#)
 2006 ION Calendar: [ION Calendar 2006.pdf](#)

POSTSCRIPT:

MINUTES OF JANUARY 17, 2006 EXECUTIVE COMMITTEE MEETING

Just prior to the Council Meeting an Executive Committee meeting was held. Those present were: Jim Doherty/President; John Lavrakas/Executive VP; John Clark/Treasurer; Tom Stansell/Western VP; Chris Hegarty/Eastern VP; and Penny Axelrad/Immediate Past President), ION officers also serving on the PLANS 2006 Executive Committee (Per Enge and Frank van Graas), Carl Andren and Lisa Beaty.

The purpose of the Executive Committee meeting was to discuss:

1. The status of PLANS 2006
2. ION requirements for a PLANS 2008 co-sponsorship that were to be presented to the Council at that evening's Council Meeting
3. Review of John Lavrakas' International Outreach Proposal and Required Budget

PLANS was generally discussed including what the ION would want to happen in order to consider co-sponsorship in 2008. The results of this discussion were reported to Council and are reflected in those minutes.

John Lavrakas, Executive VP, requested the ION Executive Committee support his initiative to investigate the possible US ION co-sponsorship of a major European GNSS meeting. John reported that this would take the ION outside the US-Canada borders into the international arena by co-sponsoring a session at one of the GNSS meetings held in Europe, such as the EUGIN meeting in the spring and Munich Satellite Navigation Summit in the winter. The target date for this initiative is 2007, with planning meetings being held in 2006.

John detailed his plans to the Executive Committee including the following:

Objectives:

- Foster greater cooperation between the ION and European institutes
- Increase technical awareness and understanding of issues affecting both GPS and Galileo
- Further the technical development of Galileo as the ION did with GPS
- Attract many of the ION members to come to Europe and participate in the EUGIN meetings
- Attract EUGIN members to come to ION meetings

Description

- Make contact with each of the groups – In progress
- Conduct marketing trip to explore options (President, Exec Vice President, Technical Director).
 - Meet with Günter Hein in Munich in February. This is a follow up to discussions John Lavrakas had when he was chair of the Satellite Division
 - Meet with EUGIN officers in Munich as well to assess interest
- ION co-sponsor a session at one of the European Navigation Conferences. Candidates:
 - Munich Satellite Navigation Summit 2007, hosted by Dr. Günter Hein.
 - European Navigation Conference 2007, Geneva, Switzerland hosted by EUGIN member Schweizerisches Institut für Navigation (Swiss Institute of Navigation)
- Report back to Exec Comm after Munich meeting

Marketing Trip to answer questions:

- Is the group open to such a cooperative venture? Is the time right?
- What will the group do in exchange for ION participation?
- How can the ION be benefited from such a venture? (technical, political, further the goal of the Institute to advance the art and science of navigation)
- Is there an benefit to ION hosting a booth at these conferences for ION conferences?
- If there is interest, then what schedule to proceed?

- What metrics to measure the effectiveness of this initiative?

Funds:

John requested the Executive Committee approve \$4,000 from the new initiatives fund to cover travel funds for he (in his role as Executive Vice President) to attend international meetings to open dialog as outlined above.

Motion: The ION Executive Committee approved \$4,000 from FY 2005-'06 budget for the Executive Vice President to attend the Munich Satellite Navigation summit on a fact finding trip in February 2006. Motion made by John Clark, seconded by Jim Doherty and passed by the Executive Committee.