

MINUTES OF THE
OUT-GOING COUNCIL MEETING
(January 21, 2007)

Subject to the approval of the ION Council the following minutes are submitted. The Council Meeting was called to order on January 21, 2007 at the Catamaran Resort Hotel, San Diego, CA at 1pm. Those present were:

VOTING COUNCIL MEMBERS:

<u>Name</u>	<u>Out-Going Office Held</u>	<u>In-Coming Office Held</u>
Jim Doherty	President	Immed. Past Pres. /Nominating Chair
John Lavrakas	Executive VP/ Strategic Planning Chair	President
John Clark	Treasurer	Treasurer
Chris Hegarty	Eastern VP	Executive VP
Tom Stansell	Western VP	Western VP
AJ Van Diernedonck	Satellite Division Chair	Satellite Division Chair
Dorota Brzezinska	Eastern Council M-at-L	Eastern Council M-at-L
Richard Barker	Western Council M-at-L	
John Neilson	Western Council M-at-L	Western Council M-at-L
Richard Langley	Space Rep.	Space Rep.
Maarten Uijt Hagg	Air Rep.	Air Rep.
David Wolfe	Marine Rep.	Marine Rep.
Jade Morton	Dayton Section Chair	Dayton Section Chair
Patricia Doherty	New England Section Chair	New England Section Chair
Jim Simpson	DC Section Chair	DC Section Chair/Space Rep.
Clyde Edgar	So. California Section Chair	So. California Section Chair
Gerard Lachapelle	Alberta Section Chair	Alberta Section Chair
Phil Simpson	New Mexico Section Chair	New Mexico Section Chair
Len Jacobson	Finance Chair	Finance Chair
Boris Pervan	Publications Chair	Publications Chair
Dr. Frank van Graas	Meetings Chair/Past President	Meetings Chair/Past President
Dr. Richard Greenspan	Bylaws Chair/Past President	Past President
Ron Hatch	Past President	Past President
Larry Hothem	Past President	Past President
Bill Klepczynski	Past President	Past President
Phil Ward	Past President	Past President

VOTING MEMBERS AT IN-COMING COUNCIL:

<u>Name</u>	<u>Out-Going Position Held</u>	<u>In-Coming Position Held</u>
Lee Ott		Marine Rep.

NON-VOTING MEMBERS:

<u>Name</u>	<u>Out-Going Position Held</u>	<u>In-Coming Position Held</u>
Chris Bartone	Outreach Committee Chair	Outreach Committee Chair
Carl Andren	Technical Director	Technical Director
Lisa Beaty	Director of Operations	Director of Operations

It was determined that a quorum was achieved. Those present were advised that only out-going council members, consisting of out-going elected officers, standing committee chairs, section chairs and past presidents, should vote during the out-going council meeting and vice versa for the in-coming council meeting.

AGENDA

See Attached File: [Agenda.pdf](#)

Approval April 2006 Council Meeting Minutes: J. Doherty

Motion: Council approves the April 2006 Council Meeting Minutes as submitted.
Motion made by John Neilson, seconded by Richard Greenspan and passed by Council.

President's Report: J. Doherty

See Attached File: [PresidentsReport.pdf](#)

Jim Doherty thanked all officers that had served for an extended term of office and thanked the National Office staff.

A moment of silence was observed in memory of past president Len Sugerman.

Jim Doherty reported to Council on the following:

- 1) Partnership with PLANS 2006 was not so easy make happen, but did happen and now a formal agreement is in place for 2008. One less meeting for members and opens ION to the IMU audience.
- 2) ION needs make sure it is not just a GNSS organization. Asked program Chairs of the winter and spring meeting to focus in on other methods navigation and timing and the goals necessary to achieve in this area.
- 3) Effort started to partner with the JNC meeting and several exploratory discussions have transpired.
- 4) Especially proud of Outreach Committee and Bartone's (Outreach Chair) focused efforts. The ION's partnership with the Smithsonian is good for the ION.
- 5) Highlighted the example of the DC Section and their student activities. Believes a fundamental of the organization is to attract new young people/students which he feels is inherently a job for sections. He noted that schools are now in process of looking for science fair judges and encouraged Council to participate.
- 6) Jim attended the June 2006 Autonomous Lawn Mower competition.
- 7) Jim reported that John Lavrakas, in his role as Exec VP, had been looking to partner with other navigation organizations that run GNSS meetings (European meeting and Munich) and this exploration of future partnerships will continue.

Executive VP & Strategic Planning Report: J. Lavrakas

See Attached File: [ExecutiveVPReport.pdf](#)

John Lavrakas reported that the Executive Committee had approved the following motions in July 2006:

Motion: Regarding the Munich Summit: The ION shall trade a table top exhibit at either the ION's National Technical or Annual Meeting for a table top

exhibit at the Munich Summit. The motion was passed by the Executive Committee in July 2006.

Motion: Regarding the ENC: The ION shall provide the ENC with space for an ENC booth at ION GNSS in exchange for a booth space for ION at the ENC. ION and ENC shall provide space only. All other expenses associated with exhibiting (carpet, furniture rental, electrical, etc.) shall be borne by each individual organization. Additionally, the Executive Committee agreed to help support the ENC in trying to identify potential US representatives to speak at the ENC conference should the ENC desire the same. The motion was passed by the Executive Committee in July 2006.

Nominating Committee Report/Election Results: P. Axelrad

See Attached File: [NominationReport.pdf](#)

Penny Axelrad, Nominating Committee Chair, was unable to attend. Jim Doherty read the report in her absence and reported that this year's committee was made up of: Penina Axelrad (chair), James Doherty, Richard Greenspan, Sally Frodge, John Lavrakas, Elizabeth Cannon and Thomas Stansell.

The election slate was developed based on the ION database of potential nominees for Council positions, as well as recommendations from ION members. The committee rank-ordered nominees for each Council position through a voting process. The top two candidates for each Council position (other than President) who accepted the nomination and the results of the election for the 2007-2008 ION Council are listed below.

President:

Mr. John Lavrakas, Advanced Research Corporation

Executive Vice President:

Dr. Christopher Hegarty, The MITRE Corporation

Dr. John Raquet, Air Force Institute of Technology

Treasurer:

Mr. John Clark, The Aerospace Corporation

Mr. Mr. Douglas Taggart, Overlook Systems Technologies

Eastern Region Vice President:

Dr. Dorota Grejner-Brzezinska, The Ohio State University

Dr. Mikel Miller, Air Force Research Laboratory

Western Region Vice President:

Mr. Thomas Stansell, Stansell Consulting

Dr. Todd Walter, Stanford University

Eastern Council Member-at-Large:

Dr. Clark Cohen, Consultant

Mr. Mitchell Narins, Federal Aviation Administration

Western Council Member-at-Large:

Dr. Susan Skone, The University of Calgary, Canada
Mr. Greg Turetzky, SiRF Technology, Inc.

Space Representative:

Mr. James Simpson, NASA Goddard Space Flight Center
Mr. Ray Swider, OASD C31 Space Systems

Air Representative:

Mr. Karl Kovach, ARINC Inc.
Dr. Gary McGraw, Rockwell Collins

Land Representative:

Dr. Stewart Cobb, Novariant
Ms. Patricia Doherty, Boston College

Marine Representative:

Dr. Lee Ott, Omnistar Inc.
Mr. Ed Powers, U.S. Naval Observatory

The 2007-2008 Elected Officers:

President: Mr. John Lavrakas Advanced Research Corporation
Executive Vice President: Dr. Chris Hegarty, The MITRE Corporation
Treasurer: Mr. John Clark, The Aerospace Corporation

Eastern Vice President: Dr. Mikel Miller, Air Force Research Laboratory
Western Vice President: Mr. Thomas Stansell, Stansell Consulting

Eastern Council Member-at-Large: Mr. Mitchell Narins, Federal Aviation Administration
Western Council Member-at-Large: Dr. Susan Skone, The University of Calgary, Canada

Space Representative: Mr. James Simpson, NASA Goddard
Air Representative: Dr. Gary McGraw, Rockwell Collins
Land Representative: Ms. Patricia Doherty, Boston College
Marine Representative: Dr. Lee Ott, Omnistar Inc.

It was reported that the voting took place electronically and 252 votes were cast from an eligible voting pool of 2604.

Notification of Annual Awards Committee Formation: J. Doherty

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

Approval 2007 ION Fellows: G. Lachapelle

See Attached File: [2007_Fellow_Selection_Committee_Report.pdf](#)

Dr. Gerard Lachapelle, ION Fellows Chair, reported that membership of the 2007 ION Fellow Section Committee had consisted of the following ION Fellows: Gerard Lachapelle (Chair), Penina Axelrad, Richard Greenspan, Ron Hatch, Larry Hothem and Frank van Graas.

The Fellow Selection Committee recommended the following to be inducted as fellows in 2007: Christopher Hegarty, James Huddle and David Pietraszewski. It was noted that no honorary or posthumous fellows were elected in 2007.

Motion: Council elects Christopher Hegarty, James Huddle and David Pietraszewski as the ION's 2007 Fellows. Motion made by Gerard Lachapelle, seconded by Phil Ward and passed by the Council.

Outreach Committee Report: C. Bartone

See Attached Files: [OutreachCommitteeReport.pdf](#)
[Festa Middle School Project.pdf](#)

Motion: Council approves a \$3000 contribution to Project Smart, for Festa Middle School (NY) in care of Alan Horowitz, Director Project Smart. Motion made by Phil Ward, seconded by David Wolfe.

Motion: Council approves funding to Smithsonian Institute of \$25,000 to allow for efficient planning and continued development in 2007-2008. Motion made by Chris Hegarty, seconded by Tom Stansell and passed by Council.

There was discussion regarding changing the status of the Outreach Committee from ad hoc to standing committee. Justification for the change was that since the Outreach Committee was formed in June 2004, the ION Outreach Committee has worked actively performing outreach in the area of history, education, and has promoted awareness in the area of the art and science of navigation. In particular, the ION Outreach Committee has taken on the role of refining and developing the concept of an ION Virtual Navigation Museum (VNM). This development has taken over two years and lead to the public debut of the ION VNM at ION GNSS 2006, where an exhibit booth was established to introduce conference participants to the ION VNM. Additionally, the ION Outreach Committee has worked with the Smithsonian Institution since January 2006 to help them establish a navigation exhibit in the Smithsonian Institution Air & Space Museum to be introduced in the 2010 timeframe. Furthermore, the ION Outreach Committee has worked with other smaller outreach activities to include special donations to educational institutions, as well as, developing the concept of a time capsule. The substantial and sustained efforts of the ION Outreach Committee in the general areas history and education have promoted awareness for the art & science of navigation; and this general area of outreach should be a dedicated and sustained effort for the ION. The ION Outreach Committee has demonstrated the added value of this committee and elevating its status to a Standing Committee will add value to the ION.

A proposed bylaws change was introduced that would change the Outreach Committee from ad hoc to a standing committee:

Section 11. Outreach Committee. The Outreach Committee Chair shall be appointed annually by the Council upon the recommendation of the President. The ION Outreach Committee shall include, in addition to the Chair, other ION members as appointed by the

Chair. The Outreach Committee shall: interface with existing outreach efforts approved by the Council or Executive Committee and coordinate new outreach activities. The scope of this outreach will include, but not be limited to activities in history, education, and promotion of the art and science of navigation throughout the globe. The Chair shall report annually to the outgoing Council on committee activities during the preceding year and plans for the coming year.

Motion: Council approves the intent to add the Outreach Committee to bylaws as a standing committee and directs the Bylaws Chair to follow the procedure of notifying the Council and membership of intent to take formal action on this at the April 2007 Council meeting. The Bylaws Chair shall notify Council and the membership and allow time for comment prior to the April Council meeting where formal vote shall be called to enact the change. Motion made by Larry Hothem, seconded to John Neilson and passed by Council.

Treasurer's Report: J. Clark

Financial Stmts & Audit Report for FY 2005-'06:

See Attached Files: [2006_Audited_Financials.pdf](#)
[2006_Management_Letter.pdf](#)
[2006_SAS_61_Report.pdf](#)
[6_Year_Totals_2006.pdf](#)

John Clark, Treasurer, had Lisa Beaty present the ION's 2005-'06 year end material. Lisa reported that the ION was financially very stable. It was reported the ION's auditors had conducted a thorough audit of the 2005-'06 fiscal year and found no abnormalities.

It was reported that the Executive Committee had received copies of all audit materials in June 2006 and held an Executive Committee telecon on July 28, 2006 to review the materials provided by auditors Langan Assoc.

Highlights included \$437,950 (13%) increase in total assets in the past year. It was also noted that the value of the ION's National investments had increased by 9.4% and the Satellite Division's had grown by 12.4%. It was also reported that as of 3/31/06 the ION's Reserve Fund had a balance of \$2,670,992.

Lisa Beaty reported that this was the first year that when investment fund returns were backed-out from total revenues for the year, the ION had spent \$68K more in program and new initiative expenses than it generated in program revenues. (It was noted that the FY 2005-'06 budget was passed with a \$72K deficit and an additional \$223K in New Initiatives expenses.) Lisa reported that this was largely due to the following factors:

1. New initiatives expenses were greater in '05-'06 than they have been in the past with:
 - \$147K in support of two government fellows for a full year;
 - \$25K Smithsonian donation; and
 - \$29K in 60th anniversary expenses.

It was also noted that included in the total expenses were \$223,000 in new initiative expenses which the Council had approved to be spent out of the new initiatives fund. It was also noted that \$54,000 of these expenses (anniversary expenses and Smithsonian donation) were one time, non-recurring expenses.

2. Decrease in attendance at NTM 2006. Direct revenues over expenses were \$40K, but after allocating overhead expenses to the meeting the year end audit show a \$2K loss.
3. \$20K decrease in corporate membership in '05-'06 when compared to '04-'05.

Motion: Council accepts the 2005-'06 audit report as submitted by Langan Associates. Motion made by John Clark, seconded by Frank van Graas and passed by Council.

ION Reserve Fund/Investment Policies:

Lisa Beaty stated that in order to remain compliant with ION's current investment policy (January 2003), the Executive Committee had authorized a transfer of \$74,132 from the ION's blended/equity account into the ION's fixed income account on July 28, 2006.

July 28, 2006 motions that were approved by the Executive Committee included:

Motion: The Executive Committee authorizes Lisa Beaty to transfer of \$74,132 from the ION's blended/equity mutual fund account into the ION's fixed income account. Approved by the ION Executive Committee July 28, 2006.
Postscript: This transfer was made August 2, 2006.

Motion: The ION regularly re-balances the ION's investment funds to meet the ION's Investment Policy based on March 31 financial statements. Approved by the Executive Committee July 28, 2006.

Lisa was also given the action to update the ION's investment policy to reflect the motion above and asked the Council to ratify the updated Investment Policy.

See Attached File: [Investment_Policy_Jan_2007.pdf](#)

Motion: Council approve the updated January 2007 Investment Policy as circulated. Motion made by John Clark, seconded by Len Jacobson and passed by the Council.

Budget Approval FY 2007-'08:

See Attached Files: [2007-08_Budget.pdf](#)
[ReserveInvestment12-31-2006.pdf](#)

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 2007-08 National Budget as submitted. Motion made by Chris Hegarty, seconded by John Clark and passed by the Council.

There was discussion over whether or not the ION was investing in an aggressive enough manner. Lisa Beaty reported that the ION's current investments were aligned with the last investment policy/guidance given the National Office by the Executive Committee. Phil Ward specifically felt that it was highly unlikely that ION would need a large portion of the reserve funds in the near future and more of the principal balance should be more aggressively invested.

Action: The ION's Finance Chair, Len Jacobson, shall work with Phil Ward in evaluating the practicality of the ION's current investment policy and make a recommendation at the April Council meeting as to suggested policy change.

Meetings Report: F. van Graas

See Attached File: [MeetingsReport.pdf](#)

Frank van Graas, Meetings Chair, reviewed the program and financial success of the IEEE/ION PLANS 2006. There was some discussion as to whether or not there was a relationship between decreased attendance at 2006 National Technical Meeting (January) and PLANS 2006 (April). It was recommended that the meetings needed to be more evenly distributed during the year (January/June/September).

It was reported that PLANS 2008 contracts with IEEE and hotel have been executed and PLANS 2008 will be held May 5-8, 2008 at the Monterey Hyatt.

The status of the 2009 Annual Meeting was discussed. It was reported that the ION had had preliminary discussions with the JNC on having ION jointly sponsor the JNC meeting. However, the JNC was currently trying to determine if they wanted to meet every year or every other year. Discussions of cooperative agreement for the future will continue.

There was discussion regarding the GPS World Conference and Expo (June 11-13, 2007) which would compete for ION GNSS exhibitors and possibly participants.

Council was advised that in September 2006 the Satellite Division Executive Committee had amended the Satellite Division's Tutorial Provider Policy to continue to solicit multiple competitive tutorial proposals, only allow for only one exclusive tutorial provider based on a suite of proposed courses. Past providers would be allowed to bid for a two year contract and new providers would be required to bid for a one year contract with an option for a second year. The one exception to this new policy was that for ION GNSS 2007, all currently approved vendors shall be permitted to continue to provide tutorial services through the length of any existing agreements.

See Attached File: [TutorialPolicySept2006.pdf](#)

Motion: Council approves San Diego as the site for NTM 2008, affirms the Executive Committee's actions to secure and finalize joint sponsorship of IEEE/ION PLANS 2008 and approves up to \$15,000 to fund required registration fees for April 2006 BIO NAV speakers/presenters from the ION's New Initiatives fund. Motion made by Frank van Grass, seconded by Phil Ward and passed by the Council.

Cooperation Agreement with FIG: D. Brzezinska

See Attached File: [CooperationAgreementION_FIG.pdf](#) (get change from Dorota).

Bartone suggested an exhibit booth exchange at conferences. He also suggested FIG sponsored sessions at ION conferences.

Motion: Council approves the draft of the ION-FIG cooperation agreement. Motion made by Dorota Brzezinska, seconded by John Neilson and passed by Council.

Motion: ION shall explore further cooperation between ICG and ION and determine if ICG would accept ION as a member. Carl Andren is given the action to clarify the IAIN's role/membership in the ICG. Motion made by Dorota Brzezinska, seconded by Richard Langley and passed by Council.

Action: Carl Andren was given the action to clarify the IAIN's role/membership in the ICG.

Appointment NTM 2008 Program Chair: J. Doherty

Motion: Council approves Jim Simpson as the NTM 2008 Program Chair. Motion made by Jim Doherty, seconded by Tom Stansell and passed by the Council.

OTHER BUSINESS

Tom Stansell reported that he had recently spoken to the DC section remotely via the internet. Stansell recommended that ION purchase a license/software (GoMeeting.com was recommended) to provide the sections with the capability to have virtual speakers for their section meetings.

The meeting adjourned at 4:15pm.

MINUTES OF THE
IN-COMING COUNCIL
(January 21, 2007)

Appointment Standing and Ad Hoc Committee Chairs: J. Lavrakas

John Lavrakas, in-coming president, thanked Jim Doherty, out-going president, for the outstanding job he had done as president.

John Lavrakas presented the following committee chair names to Council for approval:

Standing Committee Chairs:

Nominating:	Jim Doherty
Finance:	Len Jacobson
Membership:	Dorota Brzezinska
Fellow Selection:	Gerard Lachapelle
Technical Committees:	Chris Hegarty
Publications:	Boris Pervan
Meetings:	Frank van Graas
Awards Selection:	Todd Walter
Bylaws:	Doug Taggart
Sections:	Clark Cohen

Ad Hoc Committee Chairs:

Editor:	Boris Pervan
New Initiatives:	Jim Doherty
Strategic Planning:	Chris Hegarty
ION Conference Committee:	Chris Hegarty
Publication Policy:	Ron Braff
Historian:	Marvin May
Outreach Chair:	Chris Bartone
Outreach, Government Fellow:	Clark Cohen
Outreach, Education/Student:	Mark Petovello
Outreach, Other Professional Soc.:	Dorota Brzezinska

Motion: Council approves all committee chairs as listed above. Motion made by Tom Stansell, seconded by Jim Doherty and passed by the Council.

NEW INITIATIVES

John Lavrakas reported that he would provide information on his new initiatives shortly.

The meeting was adjourned at 4:30pm.

The following is a list of John Lavrakas' new initiatives sent out post In-Coming Council Meeting via e-mail on January 24, 2007:

- a. Improve quality of Journal (make Journal eligible for inclusion in the Science Citation Index by putting out issues on time and incorporating multiple reviewers of articles, on-line submissions, review, and distribution)*
- b. Improve pool of qualified candidates for Government Fellow Program*
- c. Formalize an agreement for co-sponsorship of our spring meetings with the Joint Navigation Conference*
- d. Consider red book for integrated systems*
- e. Move Virtual Navigation Museum to full operational capability*
- f. Formalize meetings program chair duties with active participation of technical chairs*
- g. Pursue international cooperation in a way that benefits ION members*

Additional Documents Included with these Minutes:

[Alberta Section Report.pdf](#)

[Council Position Descriptions.pdf](#)

[2007_Calendar.pdf](#)

[Web Consent Form.pdf](#)

Note: If you wish to have your current contact information made available to the public on the ION's web page you will need to complete and return this form.