

**MINUTES OF THE
SATELLITE DIVISION EXECUTIVE COMMITTEE MEETING
(September 29, 2006)**

Subject to the approval of the ION Satellite Division Executive Committee the following minutes are submitted. The Satellite Division Executive Committee Meeting was called to order on 29 September 2006 at Reata Restaurant, Ft. Worth, Texas at 6:30pm. Those present were:

VOTING COMMITTEE MEMBERS:

Elizabeth Cannon	Chair
AJ Van Dierendonck	Vice Chair
Todd Walter	Secretary & GNSS '06 Program Chair
Angela Dorsey	Treasurer
John Lavrakas	Immediate Past Chair
Günter Hein	European Rep.
Chris Rizos	Asian Rep.

NON-VOTING MEMBERS:

Chris Bartone	GNSS '06 General Chair
Demoz Gebre-Egziabher	GNSS '06 Track Chair
Patricia Doherty	GNSS '06 Track Chair
Edward Breeuwer	GNSS '06 Track Chair
Mikel Miller	GNSS '07 Program Chair & Autonomous Lawnmower Rep.
Jim Doherty	ION President
Frank van Graas	Meetings Chair
John Raquet	Satellite Division Out Reach Chair & In-coming Secretary
Pratap Misra	In-coming Vice Chair
John Betz	In-coming Treasurer
Changdon Kee	In-Coming Asian Rep.
Carl Andren	Technical Director
Lisa Beaty	Director of Operations

AGENDA

1. Approve Minutes from September '05: E. Cannon
2. Lessons Learned 2006 & Recommendations for 2007 (division's 20th anniversary): T. Walters
3. Approval of GNSS 2007 Program Chair: E. Cannon
4. Outreach Activities Status, Autonomous Lawn Mower Competition: J. Raquet
5. Satellite Division Election Results: J. Lavrakas
6. GNSS Tutorial Policy Review (closed session): E. Cannon

Approve Minutes from September '05

Motion: Approve September '05 Satellite Division minutes as circulated. Motion made by John Lavrakas, seconded by Todd Walter and passed by the committee.

Lessons Learned 2006 & Recommendations for 2007

- Todd Walter recommended that the 2007 program committee advertise less session topics in the call for abstracts with the goal of reducing the need to rearrange the program and session chairs when compiling the program.
- There was discussion regarding the lack of a classified session at GNSS meeting and that ION had not had a classified session at the 2006 summer meeting due to the co-sponsorship with IEEE PLANS. The 2007 program committee agreed to evaluate whether or not a classified session should be offered next year.
- It was reported ION GNSS 2007 will be the meeting's 20th anniversary. There was discussion regarding how to celebrate. It was suggested the program committee try to get a prestigious speaker(s) to reflect back and look forward.
- The 2007 program committee was reminded to have the JPO update session on Wednesday morning.
- It was noted that some authors had had problems showing video. (In order for video to work properly the video could only be displayed on the projector and not simultaneously on the laptop screen.) Instructions for video presentation need to be added to author's kits and emphasized during Rick's breakfast talk.
- Re-radiation in the exhibit hall was discussed.

Motion: Re-radiation will not be offered or provided in the exhibit hall in the future. Motion made by AJ Van Dierendonck and passed by the committee.

There was some discussion as to GPS World Magazine's announcement that they would be hosting a commercial GPS exhibit in coordination with a commercial sensors conference in June 2007. It was agreed that while this would not compete for the ION's technical audience, it would be competing for ION exhibits and overall exhibit dollars. Lisa Beaty reported that she had spoken with GPS World's publisher and acknowledged that the GPS World sponsored commercial expo would not be co-sponsored or endorsed by ION.

Action: Lisa Beaty to attend GPS World's new expo in June 2007 to evaluate and market the ION GNSS show.

Approve GNSS 2007 Program Chair

Motion: Mikel Miller is appointed and approved as the GNSS 2007 Program Chair. Motion made by Todd Walter, seconded by AJ Van Dierendonck and passed by the committee.

Outreach Activities Status, Autonomous Lawn Mower Competition

Mikel Miller reported that seven schools had registered for the 2006 competition but only five schools had competed: Cedarville University (Ohio), Ecole Technologie Superieure (Quebec), ITT, Ohio University and Wright State University (Ohio). It was also reported that this year's teams had to cut at least fifty percent of the grass to qualify for prize money; and obstacles had been added to this year's course. Ohio University was awarded \$8,000 first place, ITT was awarded second place at \$5000 and Wright State received third place at \$500.

Additionally, it was reported that Navcom and Honeywell sponsored \$5,000 each in prize money and AFRL continued to sponsor the competition by donating the time of the volunteers.

It was noted that the Satellite Division approved funding for two years in September 2005 so no additional funding motions were needed at this time.

Sat. Div. Nominations Report/Election Results

John Lavrakas, Nominating Chair, reported that the Satellite Division election had been held this past summer and the following were elected.

Chair	A.J. Van Dierendonck
Vice Chair	Pratap Misra
Treasurer	John Betz
Secretary	John Raquet

It was reported that Elizabeth Cannon would remain on the Satellite Division Exec. Committee as immediate past chair and that AJ Van Dierendonck, In-Coming Chair, had appointed Günter Hein as the European Technical Advisor and Changdon Kee as the Pacific Rim Technical Advisor.

GNSS Tutorial Policy Review (closed session)

At this time the GNSS Program Committee was excused and only the in-coming and out-going Satellite Division officers, ION meetings chair, ION president and ION staff remained to discuss GNSS Tutorial Policy.

It was reported that in 1996 the Satellite Division adopted a non-exclusive vendor policy that opened the door for additional tutorial providers, but rejected the idea of the meeting providing the administrative support or infrastructure to manage contracted tutorials. It was reported that at the time the policy was passed (1997) there were few viable companies that would realistically meet the parameters of the newly created policy.

In 2005, both Navtech and GNSS Solutions (Chris Bartone) met tutorial provider requirements and were approved to sponsor tutorials at GNSS 2006. Both companies presented a comprehensive suite of course topics, which for the first time created a competitive situation for similar course topics.

There was considerable discussion regarding whether or not endorsing multiple tutorial vendors offered a service to the attendees; the ION's implied endorsement of tutorial vendors; how many

tutorial vendors the meeting would be able to sustain in the future; whether or not it was fair to expect any other vendor to be able to compete with Navtech; and whether or not the division wanted to be in the business of providing start-up business opportunities to future tutorial vendors. The following options were discussed:

1. The tutorial policy remains as is and allows for multiple competitive vendors.
2. The tutorial policy remains open to multiple vendors, but does not allow for overlap of topic. This means proposals/course outlines for individual courses would have to be reviewed to decide which vendor had exclusive rights to teach each topic. This also means multiple vendor schedules would have to be analyzed to ensure prerequisite course offerings were not offered after more advance course topics etc.
3. The tutorial policy is modified to evaluate multiple proposals but awards official tutorials to one exclusive vendor based on a suite of proposed courses.
4. Endorse no vendors and allow all vendors to compete independent of the conference in local marketplace without advertisements in conference program etc.

There was extensive debate.

Motion: The Satellite Division's Tutorial Provider Policy continue to solicit multiple competitive tutorial proposals, but be amended to 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. Motion made by John Lavrakas, seconded by AJ Van Dierendonck and passed by the committee with one member abstaining.

There was significant concern expressed over the implications the policy change would have on GNSS Solutions as they had been permitted to provide tutorials in 2006, invested in start-up costs, and if they so elected could not complete again until 2008 as Navtech had already been approved as a tutorial vendor for 2006 and 2007.

Motion: GNSS Solutions shall be refunded the \$4,800. paid to the division to advertise their 2006 courses and shall be forgiven the 8% royalties typically due on gross tutorial receipts for GNSS 2006. Motion made by John Lavrakas, seconded by AJ Van Dierendonck and passed by the committee.

Action: Elizabeth Cannon shall notify GNSS Solutions of the committee's decision.

The meeting was adjourned at 10:45pm.

Attachment: ION GNSS Tutorial Provider Policy/Requirements, September 2006 [PDF]

POSCRIPT, October 2006:

Following the Satellite Division Executive Committee Meeting, Elizabeth Cannon, out-going Satellite Division Chair, notified Chris Bartone of GNSS Solutions, that the Satellite Division modified the existing ION GNSS Tutorial Provider Policy with the following motion:

Motion: The Satellite Division's Tutorial Provider Policy continue to solicit multiple competitive tutorial proposals, but be amended to 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. Motion made by John Lavrakas, seconded by AJ Van Dierendonck and passed by the committee with one member abstaining.

At that time, Chris Bartone of GNSS Solutions advised Elizabeth Cannon that his tutorial commitment letter provided him with tutorial opportunities for 2006 and 2007.

Lisa Beaty confirmed that when she had done the 2006 acceptance letter for GNSS Solutions she had erroneously committed the Division to allow GNSS Solutions to provide tutorials for both years (2006 and 2007). Since there was no question that GNSS Solutions' tutorials met the level of quality required by the Division, it was decided that it would be inappropriate to not honor the approval given to GNSS Solutions if they should choose to proceed in 2007.

October 10, 2006 Lisa Beaty circulated the following motions to the in-coming Satellite Division Executive Committee for vote (with informational copy also being sent to the out-going Satellite Division officers who had approved prior motions):

Motion #1: The Satellite Division Tutorial Policy shall be amended as outlined in the above motion, with the exception that all currently approved vendors shall be permitted to continue to provide tutorial services through the length of any existing agreements.

Motion #2: GNSS Solutions shall be given the option of either 1) ending their contract to provide tutorials at the end of the 2006 meeting and receive a refund of the \$4,800 paid to the division to advertise their 2006 courses and shall be forgiven the 8% royalties typically due on gross tutorial receipts for GNSS 2006; or 2) continue to provide tutorials in 2007 through the length of their current agreement.

The motions were unanimously approved by the Satellite Division Executive Committee via e-mail vote.

Beaty took the action to contact Chris Bartone of GNSS Solutions and advised him that the Satellite Division Executive Committee understood the impact the policy change would have on GNSS Solutions and that the Division was willing to either refund the 2006 advertising and royalty fees in lieu of tutorials in 2007; or GNSS Solutions could opt to provide tutorials in 2007. It was reported that Bartone advised Beaty that he had not requested a refund and he has elected to continue to provide tutorials in 2007.