

**MINUTES OF THE
SATELLITE DIVISION EXECUTIVE COMMITTEE MEETING
(January 28, 2008)**

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 28 January 2008 at the Catamaran Hotel, San Diego, California at 12:10 p.m. Those present were:

VOTING COMMITTEE MEMBERS:

AJ Van Dierendonck	Chair
Pratap Misra (phone in)	Vice Chair
John Raquet	Secretary & GNSS '08 Program Chair
John Betz	Treasurer
Changdon Kee	Asian Rep.

NON-VOTING MEMBERS:

John Lavrakas	ION President
Chris Hegarty	In-Coming President
Frank van Graas	Meetings Chair
Lisa Beaty	Director of Operations
Carl Andren	Technical Director

AGENDA

1. Approve minutes from September '07
2. How to accommodate 30 minute AM & PM session breaks at ION GNSS 2008
3. Plenary Session & panel discussions at ION GNSS 2008
4. Tutorial Provider Selection Criteria & Committee for 2008
5. Update on Satellite Division Sponsored Panel at Munich 2008 Summit
6. Lawn Mower Demonstration at Smithsonian Postponement

Approve Minutes from September '07

Motion: **The Satellite Division approve the minutes from the September 28, 2007 Satellite Division Executive Committee meeting as circulated.** Motion made by John Raquet, seconded by John Betz and passed by the committee.

How to accommodate 30 minute AM & PM session breaks at ION GNSS 2008

The following options were discussed:

- Shorten Lunch by ½ hour: Sessions 8:30am–12:15pm & 1:45pm-5:30pm, Lunch 12:15-1:45pm (1 ½ hours). This means Friday’s afternoon sessions would be 1:45pm-5pm (verses 4pm)
- Start 15 minutes earlier in the morning (8:15am) and end 15 minutes later in the evening (5:45pm) and keep lunch at a full two hours.

Motion: Thirty minute AM and PM breaks will be accommodated in the ION GNSS 2008 exhibit hall by shortening lunch by half an hour. Sessions will run from 8:30am-12:15pm and 1:45-5:30pm with lunch from 12:15-1:45pm. Friday afternoon sessions would run from 1:45-5pm with no scheduled break. The motion was passed by the Satellite Division Executive Committee.

Plenary Session & Panel Discussions at ION GNSS 2008

John Betz reported on the status of the ION GNSS 2008 plenary session and panel discussions as follows:

Plenary Session: Designing and Operating Satellite Navigation Systems in a Multi-System World (moderator: Betz). Invitations are being extended for:

- GPS: Mr. Grimes, ASD/NII (working with Ray Swider, OSD/NII, to coordinate this)
- GLONASS: Head of Roskosmos (currently Anatoly Perminov, probably someone different by summer). Working with Dave Steare SAF/USAL, and Sergey Revniviykh, Roscosmos, to coordinate this.
- Galileo: Matthias Ruete, European Commission Director General for Energy and Transport. Working with Rob Dollinger, US State Department Mission to EC, to coordinate this.
- Indian Regional Navigation Satellite System (IRNSS): Dr. Nair, Chair of Indian Space Research Organization (equivalent to NASA). Working with his deputy, Dr. Suresh Kibe, on this.
- QZSS: Working with Alice Wong (FAA, on loan to State) and will talk with Satoshi Kogure while in San Diego this week, to identify the right candidate--probably the head of JAXA.
- COMPASS: Expects to meet with COMPASS officials in Beijing in May, and plans to wait until then to work directly with the Chinese to identify and invite the right person.
- SBAS: Being held in reserve, since it has not been determined if they would be ready to say anything interesting, and expects to have a full session already.

Program Update Session (moderator: Betz): Betz reported that he had not heard back from CGSIC since he sent them a detailed proposal for jointly sponsoring this session and moving it to Wednesday morning. He will follow up with Gene Schlechte.

Global Influences of GNSS Panel Discussion (co-moderators: Alice Wong, US Dept of State, and Ms. Sharafat Gadimova, Program Officer from the Office of Outer Space Affairs, UN Office in Vienna, who serves as the Secretariat for the Int'l Committee on GNSS (ICG)). It was reported that Wong got enthusiastic support from her management, and has enlisted the help of Ms. Gadimov and that they have dozens of contacts from the ICG and should be able to

assemble a nice session. There was also some discussion as to whether or not ION should provide booth space to Wong's panel members so that interested parties could meet with her panel members.

Panel Session: Legal and Intellectual Property Issues in GNSS (moderator: Keith McDonald invited but no response yet). Betz reported he planned to speak to McDonald during NTM and if there is not a strong positive response we might need to drop this panel until a later conference.

Panel Session: GNSS Uses in 2020 (Moderator: Betz or TBD): Betz reported that he had concerns going forward with this topic and we might need to defer this to another year.

Lisa Beaty also reminded Betz that Guenter Hein had volunteered to put together a panel discussion on Galileo policy and business interests, etc.

Tutorial Provider Selection Committee & Criteria for 2008

Lisa Beaty provided a history of tutorial policy and stated that under the current policy of selecting a sole source vendor the Division needed to establish an evaluation committee and evaluation criteria prior to the March 1 proposals due date. See Attached File: [Tutorial Provider Committee & Eval 10-18-07.pdf](#)

AJ felt that the evaluation criteria had been written in such a way to favor Navtech and that it would be impossible for the Division to select an unbiased committee. John Raquet asked if the committee felt Navtech would win the bid because of political connections or because they had a superior product? There was considerable discussion.

It was proposed that the Tutorial Policy be re-written to allow for multiple vendors that would have the right to advertise in the conference brochure, but that none of the vendors be endorsed or officially affiliated with the conference. The vendors would be responsible to obtain and pay for their own meeting space, would be allowed to rent the ION's mailing list and a disclaimer would be added to their meeting advertisements. Advertising rates for tutorial ads would remain the same (\$800 per half page) but there would be no royalties paid to the Division. Tutorials would thus be marketed and sold on a "buyer beware" basis.

There was some concern expressed over whether or not this was a service to the attendees. Lisa Beaty pointed out that at this point any decision would cause resentment by various parties so the Division should make the decision they thought best for the attendees.

Action: AJ Van Dierendonck accepted the action to write a proposed revised Tutorial Provider Policy which would be circulated to the Satellite Division Executive Committee by e-mail and a telecon would be scheduled sometime next week to discuss.

Postscript, February 2008:

The revised tutorial policy was circulated to the Satellite Division Executive Committee for vote via e-mail in early February 2008 and the Executive Committee was asked to vote on the following motion:

Motion: *The Satellite Division approves the modified Tutorial Policy attached, as revised in January 2008. The motion was approved by Van Dierendonck, Misra, Raquet and Kee. The motion and revised tutorial policy was passed. Betz, Cannon and Hein recused themselves from the vote due to existing teaching arrangements they have with an existing tutorial provider.*
See Attached File: [TutorialPolicyFebruary2008.pdf](#)

Update on Satellite Division Sponsored Panel at Munich 2008 Summit

AJ reported that the Satellite Division was hosting a panel at the February 2008 Munich Summit and it had been organized as follows:

GPS Activities in North America – View on Galileo from over the Atlantic

Which way is GPS going in the next decade? GPS-III is getting under way. How does it compare to Galileo? What capabilities does a combination of GPS and Galileo provide? Depending on application, are there any interoperability and compatibility issues? This panel -- **kindly organized by the U. S. Institute of Navigation Satellite Division** -- discusses the GPS activities in North America and presents views on Galileo.

Hank Skalski (Chair), *U.S. Department of Transportation Liaison to Air Force Space Command, Peterson Air Force Base, CO, USA*

Panel Members:

A. J. Van Dierendonck, *AJ Systems, Los Altos, CA, USA, Chair of the Satellite Division of the U.S. Institute of Navigation*

Aviation Using Combined GPS/Galileo

Prof. Per Enge, *Professor, Stanford GPS Lab, Stanford, CA, USA*

GNSS Evolution for Aviation (GEAS)

Ruth Neilan, *Director, IGS CB, Jet Propulsion Laboratory/Caltech, Pasadena, CA, USA*

Precision Applications of GPS Integrated with Galileo

Greg Turetzky, *Director of Marketing, New Product Technology and IP, SiRF Technologies, Inc., San Jose, USA*

GNSS plans for consumer electronics

Lawn Mower Demonstration at Smithsonian Postponement

A.J. Van Dierendonck advised the committee that in December 2007 he was contacted by Carlene Stephens of the Smithsonian to advise him that the Smithsonian's renovations were proceeding at a slower rate than originally anticipated; and thus at this time there is no guarantee that the Smithsonian's 2008 programs will be able to proceed as originally scheduled.

This means it will be necessary for the Satellite Division to move the autonomous/robotic lawn mower demonstration planned at the Smithsonian to the fall of 2009. Previously approved funding for the winning schools will be rolled over to the next fiscal year (\$2000 travel grant for the top three schools to attend the Smithsonian demonstration). It was reported that Carlene assured A.J. that the Smithsonian's enthusiasm for this program remained high and they are still looking forward to featuring the Robotic Lawn Mower Competition winners in a demonstration at the museum.

The meeting adjourned at 2:20 p.m.