

TO: IGC Delegates 10Jan13
SUBJ: Mar13 IGC Meeting ANDS report
FROM: IGC ANDS Committee

Bernald S. Smith, Chairman - Angel Casado, Bruno Ramseyer, members

FAI & SSA RTCA representative
SSF/SSA EGU co-representative
NAA FAI Commission on Airspace and Navigation Systems delegate
OSTIV TSP member
UNOOSA's ICG FAI representative

Acronyms in Appendix I

ACTION ITEM - Current GFAC members and the expiry dates of their 3-year terms of office are Ian Strachan (UK-IGC meeting of 2014), Angel Casado (Spain-IGC meeting of 2014), Tim Shirley (Australia-IGC meeting of 2015), Hans Trautenberg (Germany IGC meeting of 2015) and Marc Ramsey (USA-IGC meeting of 2013). Nominations by ANDS will be presented at your meeting for your consideration for election to fill the expiring term.

RTCA – Smith's involvement continues with SC203 (UAS/UAV), SC-186 (ADS-B), SC159 (GPS), and to a much lesser extent with other SCs.

RTCA meetings conducted with WebEx/telcon continue to relieve much travel time/personal expense for which no reimbursement is received.

It should be noted that many RTCA meetings include intensive EUROCAE participation. ION and CGSIC meetings also are on the list of meetings attended because of their pertinence to GNSS.

The current GPS constellation remains fully operational. Newer satellites are launched in a timely manner, but the old satellites just keep on working! GLONASS is fully operational; BeiDou is growing rapidly in number of satellites. QZSS is considering adding a 4th(or more) satellite(s) to it's originally planned 3. GALILEO still seems to be struggling to reach any useable operability, altho it's EGNOS is providing good service.

UAS/UAV discussions are taking place more than just within RTCA and EUROCAE. Even the popular press wonders how it's all going to work without privacy complaints! Of course major concerns are how airspace can handle unmanned systems that want to fly any/every where.

FLIGHT RECORDERS - Ian Strachan, IGC's GFAC Chairman, will report on this subject. That committee works unbelievably hard on the many issues dealing with both FRs and PRs. You have a real jewel in those 5 folks! Regarding earth model matters, GFAC and ANDS are in full concert of opinion. There have been no bona fide proposals for utilizing constellations other than GPS for FRs.

FAA/SSA MOU - Not much going on here, with no recent reports of flight testing activity.

OSTIV at Uvalde - You will hear from others, but as coordinator, I am proud to say it all went very well, thanks in great measure to help from Linda Murray, Mark Huffstutler and the SWTJC people.

UNOOSA - Smith continues to attend the UNOOSA's ICG meetings, the last one being five days in Beijing, China last Fall. Issues in the main deal with the proliferating number of satellite positioning systems and the need to assure compatibility (lack of interference with each other), as well as attaining interchangeability & interoperability with each other.

EGU - Representing SSF/SSA's Associate membership therein, Smith has a conflict making it impossible to attend the EGU meeting in Strausburg.

- end of report -

Appendix I

ACRONYMS & DEFINITIONS

(a modest list)

ADS-B - Automatic Dependent Surveillance - Broadcast

ANDS - Air Traffic, Navigation and Display Systems

CGSIC - Civil GNSS Service Interface Committee

EGNOS - European Geostationary Navigation Overlay Service

EGU - European Gliding Union

EnvCom - FAI's Environmental Commission

EUROCAE - European Organization for Civil Aviation Equipment

FAA - Federal Aviation Administration

FAI - Federation Aeronautique Internationale

FR - Flight Recorder

GC - General Conference

GFAC - GNSS Flight Recorder Approval Committee

GLONASS - Global Orbiting Navigation Satellite System (Russia)

GNSS - Global Navigation Satellite System

GPS - Global Positioning System (USA)

ICG - International Committee on GNSS (United Nations)

IGC - International Gliding Commission

ION - Institute of Navigation

MOU - Memorandum of Understanding

NAA - National Aeronautic Association

OSTIV - Organization Scientifique et Technique Internationale
du Val a Voile

QZSS - Quasi-Zenith Satellite System (Japan)

RTCA - no separate meaning, a private non-profit corporation addressing aviation requirements and technical concepts to advance the art and science of aviation and aviation electronic systems for the benefit of the public, with nearly 300 volunteer organizations, more than 25% of which are non-US, from the entire worldwide aviation community, functioning as a Federal Advisory Committee, to develop consensus-based recommendations on contemporary aviation issues, whose documents are most often used as the basis of government-issued TSOs

SC - Special Committee or Sporting Code

SSA - Soaring Society of America

SSF - Soaring Safety Foundation

SWTJC - Southwest Texas Junior College

TSP - OSTIV's Training & Safety Panel

UAS - Unmanned Aerial System

UAV - Unmanned Aerial Vehicle

UNOOSA - United Nations Office for Outer Space Affairs