

TO: SSA Directors

21Aug15

SUBJ: Sep15 SSA Directors' Meeting RTCA report

FROM: RTCA Representative, Bernald S. Smith

Acronyms in Appendix I

RTCA - Involvement continues mainly with SC-186 (ADS-B), SC-159 (GPS), SC-228 (UAS/UAVs), SC-234 (PEDs), and to a much lesser extent with other SCs.

RTCA meetings conducted with WebEx/telcon continue, relieving much travel time/personal expense. It should be noted that many RTCA meetings include intensive EUROCAE participation. ION and CGSIC meetings (which I plan to attend in Tampa, FL immediately after your PHX meeting) are extremely important, and thus on my list of meetings attended because of their pertinence to GNSS.

GNSS constellations remain mainly unchanged from my last report.

FLIGHT RECORDERS - IGC's GFAC, of which SSA Member Marc Ramsey is a member, continues their work approving new FRs and currently some relatively minor amendments to their FR specs for likely Sep15 issue for Oct15 effect.

OSTIV, under the guidance of SSA's OSTIV rep, Mark Maughmer, is arranging a speaker track and evening speaker for the next SSA Convention. Membership dues for individuals have been halved to Euro25 or \$28; TS is now on-line only. Look Boermans has retired as President, with Rolf Radespiel of Germany taking the helm. I have retired as a committed attendee of OSTIV's TSP meetings, which Rich Carlson is attending in Sweden eom August.

UNOOSA ICG - The next meeting, which I will attend 02-06Nov15, is in Boulder, CO. Heavy on the agenda is the usual re GNSS compatibility, interference (including that from nearby spectrum users) and jamming as well as the growing UAS threat to airspace users. No doubt the renewed threat of that from Lightsquared be of interest!

IGC - SSA's Rick Sheppe has replaced me since I retired therefrom as the Chairman of IGC's ANDS Committee, on which I still serve as a member thereof at Rick's invitation.

EGU - I have retired from representing SSF/SSA's Associate membership therein, but did effect transfer from OSTIV of SSA's dues therein, which were reimbursed from SSF to OSTIV.

FAI Environmental Commission - I retired as VP of the EnvCom, as well as retiring from being both NAA's delegate thereto and IGC's delegate thereto.

FAI General Conference - I plan to attend Rotterdam, The Netherlands, for the GC 22-28Sep15 as FAI Companion of Honour, reporting on ICG and RTCA of which I am FAI representative.

ANPRM - The writers of SSA's response to the ANPRM are to be commended for their better than excellent presentation. RTCA is of course hard at work addressing issues which will have a major role in whatever happens to that Notice. I have one minor quibble in the beginning when the SSA report seemed to be misleading describing transponders (the transponder feature only broadcasts when it has been interrogated). I have taken an even stronger position re UAS/UAVs: Users of airspace must have the same binocular capability of backup to electronic methods that is required of all aircraft users. I.e., 2 eyes for depth perception. AME waivers for monocular pilots is extremely hard to come by!

s/Bernald

## Appendix I

### ACRONYMS & DEFINITIONS

(a short list)

- ADS-B - Automatic Dependent Surveillance - Broadcast
- AME - Aeronautical Medical Examiner
- ANDS - Airspace, Navigation and Display Systems
- ANPRM - Advance Notice of Proposed Rule Making
- BeiDou - Chinese Nav Satellite System
- CGSIC - Civil GNSS Service Interface Committee
- EASA - European Aviation Safety Agency
- EGU - European Gliding Union
- eom - end of month
- EnvCom - FAI's Environmental Commission
- EUROCAE - European Organization for Civil Aviation Equipment
- FAI - Federation Aeronautique Internationale
- GALILEO - stand alone name (Europe)
- 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
- NAA - National Aeronautic Association
- OSTIV - Organization Scientifique et Technique  
Internationale du Val a Voile
- PED - Personal Electronic Device
- QZSS - Quazi-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

TS - Technical Soaring

TSP - Training and Safety Panel

UAS - Unmanned Aeronautical System

UAV - Unmanned Aerial Vehicle

UNOOSA - United Nations Office for Outer Space Affairs