

TO: SSA Directors 19Feb18  
SUBJ: Mar18 Meeting RTCA report  
FROM: SSA RTCA Representative, Bernald S. Smith

#### Acronyms in Appendix I

RTCA – Let's just say that UAS, UAVs and cyber are dominating conversations these days. You can't miss reading about, watching on TV or listening on radio about these matters. Free UAV airspace just up to 200' maybe? Frangible UAVs shedding parts to save the mainframe, maybe, in the case of loss of control?

I plan to attend RTCA's June18 Symposium where long-time relationships, including w/FAA, are refurbished. Finding Common Ground will be the focus on some of the toughest issues facing the aviation industry, including implementing NextGen, improving the Northeast Corridor and integrating drones into the airspace.

Again, as I always remind you, many RTCA meetings include intensive EUROCAE participation. ION and CGSIC meetings (which I attended in Portland, OR in the fall of 2017) are extremely important, and thus on my list of meetings attended because of their pertinence to GNSS.

FLIGHT RECORDERS – GFAC has announced approval of the LXNAV PowerMouse-IGC Flight Recorder for flights up to and including Diamonds. The manufacturer is LXNAV d.o.o. of Celje, Slovenia, and the main firmware inside the recorder is by FLARM. The IGC-approval document may be downloaded from the GFAC web site <[www.ukiws.demon.co.uk/GFAC](http://www.ukiws.demon.co.uk/GFAC)>, and will appear on the FAI/IGC web site in due course. There are now 59 different types of IGC-approved FRs from 20 different manufacturers.

OSTIV – I will attend both their Congress where about 50 papers will be presented, and SDP meeting where Crashworthiness, EU country certification and OSTIVAS will see important discussion, all in July/August18, to be held in conjunction with the WGC in Pribram, Czechia.

UNOOSA ICG – I attended the week-long meeting last fall in Kyoto, Japan where the usual subjects of jamming, interference, spoofing, UAVs, etc. were as usual high on the list of discussion matters. In addition, I spoke on the dangers of cyber, as indeed did many others afterward. I plan to attend the next mtg this fall in China.

FAI General Conference - I attended Lausanne, Switzerland in the fall of 2017 and am planning Luxor, Egypt, the next GC, in the fall of 2018.

Bernald

Appendix I  
ACRONYMS & DEFINITIONS  
(a very short list)

- CGSIC - Civil GNSS Service Interface Committee
- EU - European Union
- EUROCAE - European Organization for Civil Aviation Equipment
- FAI - Federation Aeronautique Internationale
- FR - Flight Recorder
- GC - General Conference
- GFAC - GNSS Flight Recorder Approval Committee
- GNSS - Global Navigation Satellite Systems
- GPS - Global Positioning System (USA)
- ICG - International Committee on GNSS (United Nations)
- IGC - International Gliding Commission
- ION - Institute of Navigation
- OSTIV - Organization Scientifique et Technique  
Internationale du Val a Voile
- 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 to develop  
consensus-based recommendations on contemporary aviation  
issues
- SDP - Sailplane Development Panel
- UAS - Unmanned Aeronautical System
- UAV - Unmanned Aerial Vehicle
- UNOOSA - United Nations Office for Outer Space Affairs
- WGC - World Gliding Championships