

### **Stephen P. Van Trees**

Stephen P. Van Trees is Chief Aircraft Architect, Aviation Safety, in the Federal Aviation Administration , Washington, DC. For the last three years he has worked as the Aircraft Roadmap lead in the National Airspace System (NAS) Enterprise Architecture. He has also worked as the government co-lead of the Avionics Equipage Study Team(AEST). in the Joint Program Development Office (JPDO) Aircraft Working Group (AWG). This group issued the Avionics Roadmap v1.0 in November 2008. He is currently acting as the Government co-lead of the Aircraft Working Group.

Prior to this appointment he served six years as Manager, Avionics Systems Branch (AIR-130), Aircraft Certification Service. He led a US-wide group of 50 engineers and specialists in the areas of Aircraft Communications, Navigation, Surveillance (CNS), Weather, Human Factors, and Flight Data Recorders. His group also instituted the Operational Evolution Partnership (OEP) domain for aircraft equipage and approval.

He joined the FAA as an engineer in the data communication arena, after working in a lead role in the US team for development of the ICAO SARPs for the Aeronautical Telecommunication Network (ATN).

Steve has some 30 years of CNS experience overall, in the areas of terrestrial and airborne network design and implementation.

He holds master's degrees from the UC Berkeley and George Mason University (Computer Science). His thesis work was in formal methods for provably correct parallel processor implementation of data communications protocols.