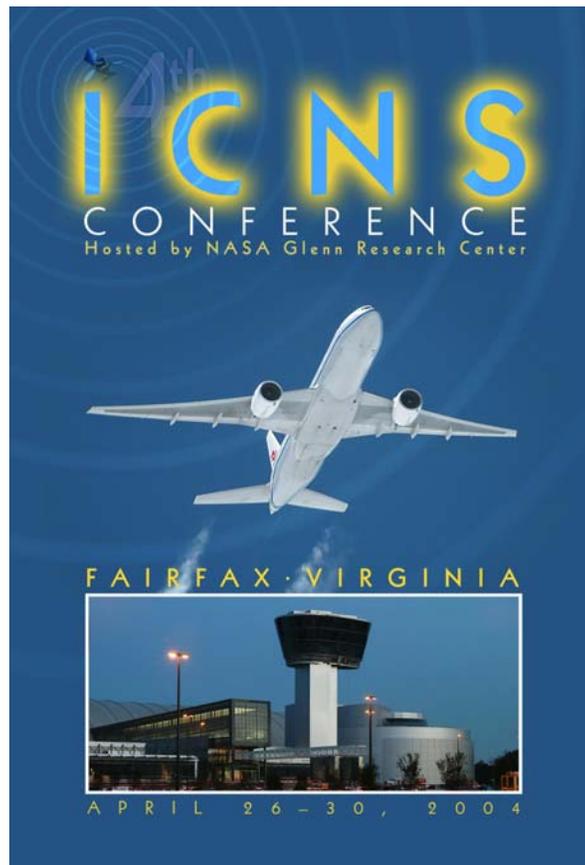

4th Integrated Communications, Navigation and Surveillance Conference and Workshop

Agenda



Fairfax, Virginia
04/26/04—04/30/04

Monday, April 26, 2004

04:00 – 06:00 pm	Pre-Registration
06:00 – 08:00 pm	Exhibit Reception

Tuesday, April 27, 2004

07:15 – 08:15 am	Registration/Continental Breakfast	
Opening Plenary Session		
Session Chair: Pete Vrotsos, NASA Glenn Research Center		
08:15 – 08:25 am	Overview Week	Denise Ponchak, Conference Chair, NASA Glenn Research Center
08:25 – 08:35 am	Welcome	Rich Christiansen, Deputy Director, NASA Glenn Research Center
08:35 – 09:05 am	Keynote Address	Victor Lebacqz, Associate Administrator for Aeronautics, NASA Headquarters
09:05 – 09:15 am	Opening Remarks	Pete Vrotsos, Plenary Chair, NASA Glenn Research Center
09:15 – 09:35 am	The ATO and the NAS Architecture	Ann Tedford, Manager, Operations Planning Systems Engineering, Federal Aviation Administration
09:35 – 09:55 am	National Air Transportation Vision for 2020 and Beyond	John Kern, Chairman, Joint Planning & Development Office, Federal Aviation Administration
09:55 – 10:20 am	BREAK	
10:20 – 10:40 am	Department of Homeland Security Programs	Paul Polski, Chief of Staff, Transportation Security Administration, Department of Homeland Security
10:40 – 11:00 am	Enabling America's Next Generation of Aviation Vehicles - UAV's	John S. Walker, President, JSWalker Group/Aviation Solutions, Inc.
11:00 – 11:20 am	CNS Implementation - An Airline Perspective	Ira Pearl, Director, Flight Operations Technical Support, Delta Air Lines
11:20 – 11:40 am	Transportation Network Topologies	Bruce Holmes, Associate Director, Airspace Systems Programs Office, NASA Langley Research Center and John Scott, Icosystems, Inc.
11:40 – 12:00 pm	Aviation Weather Roadmaps	Sadegh Kavoussi, President, AvMet Applications International, LLC
12:00 – 01:15 pm	LUNCH	
Session A1 – CNS Systems & Architectures		
Session Chair: Ann Tedford, Federal Aviation Administration		
01:15 – 01:45 pm	Pilot's Perspective: The Road to Future I-CNS Applications	Rip Torn and Robert Wayne, Air Line Pilot Association, International
01:45 – 02:15 pm	The Next NAS – 2025 Demand Projections	Michael Harrison, Aviation Management Associates, Inc.
02:15 – 02:45 pm	Unmanned Aerial Vehicle (UAV) Cargo System Senior Design Capstone Project	Kevin Han, Angela Garcia, Indah Leo, Miguel Martin del Campo, Chnur Muhammad, Libni Ortiz and George Donohue, George Mason University
02:45 – 03:15 pm	Air and Ground ATM Systems Integration Need or Fashion....	Jean-Claude Richard, Air Traffic Alliance
03:15 – 03:30 pm	BREAK	
03:30 – 04:00 pm	Global Communications, Navigation, and Surveillance Systems Program Progress and Plans	Chip Meserole, The Boeing Company and James Dieudonne, The MITRE Corporation
04:00 – 04:30 pm	Emergent Issues of Network Centric Architectures and Shared Infrastructures	Marie Stella, Federal Aviation Administration
04:30 – 05:00 pm	Air Transportation Infrastructure Concept for the 21st Century	Herman Rediess, Federal Aviation Administration

Tuesday, April 27, 2004

Session A2 – Communications Datalink

Session Chair: Art Feinberg, Intelligent Automation Inc.

01:15 – 01:45 pm	Seamless Integration of VDL into the NAS with the Multimode Digital Radio	Frank Jaworski , Jim McChesney and Chang Zhang, ITT Aerospace
01:45 – 02:15 pm	Operational Benefits of Transitioning the Traditional Voice-based Controller/Pilot COM Radio System to Digital Technology	Tom Davis and Steve Dougherty, Raytheon Company
02:15 – 02:45 pm	MMDA Qualification Issues	Michael Kocin, ViaSat, Inc.
02:45 – 03:15 pm	SITA ATS AIRCOM Data Link Services and What's Next	Kathleen Kearns, SITA
03:15 – 03:30 pm	BREAK	
03:30 – 04:00 pm	Next Generation FANS over Inmarsat BGAN	Dave Morse and Karl Griep, Avaliant, and Rich Deininger, Tectura
04:00 – 04:30 pm	Protocol Support for a New Satellite-Based Airspace Communication Network	Yadong Shang, Michael Hadjitheodosiou and John Baras, University of Maryland
04:30 – 05:00 pm	B-VHF – A Multi-Carrier Broadband Communications Concept for Air Traffic Management in the VHF Band	Bernhard Haindl, Miodrag Sajatovic, Christoph Rihacek, Johannes Prinz, Frequentis GmbH and Michael Schnell, DLR

Session A3 – Surface

Session Chair: Chris Daskalakis, DOT Volpe National Transportation Systems Center

01:15 – 01:45 pm	Architecture and Interfaces for Runway Safety Systems	Eric Chartier, Architecture Technology Corporation and Dan Hicok, Federal Aviation Administration
01:45 – 02:15 pm	A Demonstration of the Final Approach Runway Occupancy Signal System	Jaime Figueroa, Federal Aviation Administration and Kirk Swanson, Architecture Technology Corporation
02:15 – 02:45 pm	Airport Surface Surveillance Service – An Alternate Approach	Kirk Swanson, Architecture Technology Corporation and Dan Hicok, Federal Aviation Administration
02:45 – 03:15 pm	Very Closely Spaced Parallel Approaches	Siroos Sekhavat Tafti, George Mason University
03:15 – 03:30 pm	BREAK	
03:30 – 04:00 pm	Fleet Mixture and Arrival Rate Estimation at Memphis International Airport	Ben Levy, J. Legge, M. Romano, R. Collins, Sensis Corporation and Chris Daskalakis, DOT, Volpe National Transportation Systems Center
04:00 – 04:30 pm	Adaptive Channel Equalization for a Potential Airport Wireless Area Network	Minh Nguyen and Izabela Gheorghisor, The MITRE Corporation
04:30 – 05:00 pm	Determination of Controller Issued Taxi Clearances	Brent Midwood, US DOT, Volpe Center

Dinner Reception at the Stephen F. Udvar-Hazy Center National Air and Space Museum

05:30 pm	Board Buses at Hotel
05:40 pm Sharp	Depart for Steven F. Udvar- Hazy Center
06:30 – 07:10 pm	IMAX Movie – Helicopters in Action
07:10 – 08:00 pm	Exhibits & Hors D'Oeuvres * Guests will not be able to enter the museum until 7:00 pm. Guests arriving before 7:00 pm, or those skipping the movie, may visit gift store until that time.
08:00 – 09:00 pm	Dinner
09:00 – 09:30 pm	Dinner Program
09:30 – 10:00 pm	Exhibits
10:00 pm	Depart for Hyatt Fair Lakes Hotel

Wednesday, April 28, 2004 – Track 1

07:15 – 08:15 am	Registration/Continental Breakfast	
Session B1 – Weather Information Communication, WINCOMM and Aviation Weather Session Chairs: Mike Jarrell, NASA Glenn Research Center and Thomas Tanger, Ohio Aerospace Institute		
08:15 – 08:45 am	Weather Information Communications (WINCOMM) Project: Dissemination of Weather Information for the Reduction of Aviation Weather-Related Accident Casual Factors	Michael Jarrell, NASA Glenn Research Center and Thomas Tanger, Ohio Aerospace Institute
08:45 – 09:15 am	Weather Products for Airspace Management	Thomas Fraim, NOAA and Anthony Ramirez, Science and Technology Corporation
09:15 – 09:45 am	Pilot Weather Needs: Understanding, Quantification, Value	James Tauss and Gary Church, Aviation Management Associates, Inc.
09:45 – 10:00 am	BREAK	
10:00 – 10:30 am	A New Aviation Weather Technology that Forecasts NEXRAD Reflectivity Fields	Mike Cetinich, Jeppesen and Mike Eilts, Weather Decision Technologies
10:30 – 11:00 am	Oceanic Weather Product Development	Tenny Lindholm, The National Center for Atmospheric Research (presented by Gary Blackburn)
11:00 – 11:30 am	Flight Information Services Communication Architectures	Robert Nichols, Sunita Munjal, and Robert Pattay, The Johns Hopkins University Applied Physics Laboratory
11:30 – 12:00 pm	Communications Requirements and Architectures for Terminal Area Weather Distribution	Sunita Munjal, Robert S. Pattay, and Robert A. Nichols, The Johns Hopkins University Applied Physics Laboratory
12:00 – 01:00 pm	LUNCH	
01:00 – 01:30 pm	Analysis of Candidate Communication Architectures for TAMDAR Implementation in 2007-2015	Michael Castle, The John Hopkins University Applied Physics Laboratory
01:30 – 02:00 pm	Flight Test of Weather Data Exchange Using the Universal Access Transceiver (UAT) Automatic Dependent Surveillance – Broadcast (ADS-B) Data Link	Lawrence Bachman, The John Hopkins University Applied Physics Laboratory
02:00 – 02:30 pm	Flight Test of Weather Data Exchange Using the 1090 Extended Squitter (1090ES) and VDL Mode 3 Data Links	James Griner, NASA Glenn Research Center
02:30 – 03:00 pm	Automated Handoff for VDL Mode 3	Ionut Cardei and Sabera Kazi, Honeywell
03:00 – 03:15 pm	BREAK	
03:15 – 03:45 pm	A Low Cost Single Chip VDL Compatible Transceiver ASIC	Robert Becker, Honeywell
03:45 – 04:15 pm	Enhancing In-Flight Transoceanic Communications Using Swift-64 Packet Mode Service	Richard Slywczak, NASA Glenn Research Center
04:15 – 04:45 pm	ESCAN	Lisa Lust, Honeywell

Wednesday, April 28, 2004 – Track 2

07:15 – 08:15 am	Registration/Continental Breakfast	
Session B2 – Surveillance		
Session Chairs: Marc Viggiano, Sensis Corporation and Len Carlson, Technology Services Corporation		
08:15 – 08:45 am	Aircraft Surveillance Applications (Extracts from ASA MASPS, DO-289)	Steve Koczo, Rockwell Collins and Jonathan Hammer, The MITRE Corporation
08:45 – 09:15 am	Determination of Requirements for Automatic Dependent Surveillance –Broadcast (ADS-B) to ADS-B Three Nautical Miles (nm) Separation Standard	Stan Jones, The MITRE Corporation (presented by Chris Moody)
09:15 – 09:45 am	General Aviation Use of ADSB – Effect on Near Mid-Air Collision Rates	Steve Hampton and Richard Theokas, Embry-Riddle Aeronautical University
09:45 – 10:00 am	BREAK	
10:00 – 10:30 am	Terminal Area Surveillance at Innsbruck Airport	Werner Langhans, Austro Control
10:30 – 11:00 am	Safe Flight 21 and Two Advanced Automatic Dependent Surveillance-Broadcast (ADS-B) Applications	Randall Bone and James Reagan, The MITRE Corporation
11:00 – 11:30 am	Alternative Surveillance Technology for the Gulf of Mexico	Chris Daskalakis and Patrick Martone, DOT Volpe Center
11:30 – 12:00 pm	East Coast Broadcast Services Implementation	Robert Strain, The MITRE Corporation
12:00 – 01:00 pm	LUNCH	
01:00 – 01:30 pm	Collaborative Decision Making (CDM) – An Integral Component of Air Traffic Management	Carol Huegel, Sensis Corporation
01:30 – 02:00 pm	ADS-B Performance in the TRACON for DAG-TM Concept Element 11	Rajesh Raghaven, Analex Corporation
02:00 – 02:30 pm	The Road to Free-Flight: Delivery of Trajectory Intent Information to the Flight Deck	Rajesh Raghaven, Analex Corporation
02:30 – 03:00 pm	Assigning Time Slot Resources for Uplink Broadcast Services	Chris Moody, Warrant Wilson and Izabela Gheorghisor, The MITRE Corporation
03:00 – 03:15 pm	BREAK	
03:15 – 03:45 pm	Implementation of the Surveillance Data Network Through the FAA Telecommunications Infrastructure	Scott Remillard, Sensis Corporation and Robert Coulson, Harris Corporation
03:45 – 04:15 pm	Provision of Distributed Integrated Air Traffic Management Displays for the Global Satellite Communication, Navigation and Surveillance System (GCNSS)	Ian Wilson and John Pesce, Embry-Riddle Aeronautical University
04:15 – 04:45 pm	Implementation of New Technologies in Radar Systems	Michael Coluzzi, Larry Carlin, Makoto Igawa and Bernard Ross, ITT Gilfillan
04:45 – 05:15 pm	Antistealth ISAR Technology for Target Detection and Identification by Linear Frequency Modulated Signal	Andon Dimitrov Lazarov, Bourgas Free University and Chavdar Nikolaev Minchev, National Military Academy (Cancelled)

Wednesday, April 28, 2004 – Track 3

07:15 – 08:15 am	Registration/Continental Breakfast	
Session B3 – Simulation & Modeling		
Session Chairs: Thanh Nguyen, Analex Corporation and Brian Hung, The MITRE Corporation		
08:15 – 08:45 am	The Processing of Airspace Concept Evaluation Using FASTE-CNS as a Pre- or Post-Simulation CNS Analysis Tool	Steven Mainger, NASA Glenn Research Center
08:45 – 09:15 am	Proposed Development of NASA Glenn Research Center's Aeronautical Networks Research Simulator	Thanh Nguyen, Analex Corporation, Robert Kerczewski, NASA Glenn Research Center, Chris Wargo, CNS, Inc., Michael Kocin, and Manuel Garcia, ViaSat Inc.
09:15 – 09:45 am	Simulation of Controller Pilot Data Link Communications over VHF Digital Link Mode 3	Steven Bretmersky, Robert Murawski, Cleveland State University, Thanh Nguyen and Rajesh Raghavan, Analex Corporation
09:45 – 10:00 am	BREAK	
10:00 – 10:30 am	Data Communications Performance of AOCDL and AUTOMET over a VDL Mode 2 Link	Steven Bretmersky, Robert Murawski, Vijay Konangi, Cleveland State University and Robert Kerczewski, NASA Glenn Research Center
10:30 – 11:00 am	A Performance Study of the VDL Mode 3 Subnetwork Aircraft MAC Sublayer Random Access Algorithm	Brian Hung, The MITRE Corporation
11:00 – 11:30 pm	ERLANG B/C Link Availability/Blockage for Data and Voice Over VDL Mode 3	Mohammed Shamma, Analex Corporation
11:30 – 12:00 pm	Investigation of Party Line Voice over Inmarsat's Mobile Packet Data Service	Richard Deininger, Tectura Corporation (presented by Bob Stephens)
12:00 – 01:00 pm	LUNCH	
01:00 – 01:30 pm	Aviation Communications Emulation Testbed	Charles Sheehe, NASA Glenn Research Center and Thomas Mulkerin, Mulkerin Associates Inc.
01:30 – 02:00 pm	Agent Infrastructures for Modeling and Simulation of CNS in the NAS	Goutam Satapathy and Vikram Manikonda, Intelligent Automation, Inc.
02:00 – 02:30 pm	Oceanic Situational Awareness for the North Atlantic Corridor	Bryan Welch and Israel Greenfeld, NASA Glenn Research Center
02:30 – 03:00 pm	Transmission Protocols and Information Reachability for Ad Hoc Airborne Networks	Yiyuan Zhao, University of Minnesota and Maggie Cheng, University of Missouri
03:00 – 03:15 pm	BREAK	
Session B4 – Security		
Session Chair: Marie Stella, Federal Aviation Administration		
03:15 – 03:35 pm	Can Current Security Policies Meet NAS Security and Safety Needs?	Marie Stella, Federal Aviation Administration
03:35 – 03:55 pm	Keeping Air Traffic Services Safe in a COTS Communications Environment	Paul Gray and Diptesh Patel, National Air Traffic Services Ltd.
03:55 – 04:15 pm	Link Security for Aeronautical Wireless Networks	Kelly Mesveskas, Vic Patel, Federal Aviation Administration and Simon Blake-Wilson, BCI
04:15 – 04:35 pm	Security Architecture for Aeronautical Networks	Robert Stephens, Boeing Air Traffic Management, Tectura Corporation
04:35 – 05:15 pm	Audience Discussion – NAS Security Requirements 2020	

Thursday, April 29, 2004 – Track 1

07:15 – 08:15 am	Registration/Continental Breakfast	
Session C1 – Navigation Session Chairs: Rafael Apaza, Federal Aviation Administration and James Budinger, NASA Glenn Research Center		
08:15 – 08:45 am	Alternative Obstacle Clearance Criteria for RNP RNAV Instrument Approaches	S. Vince Massimini and Frederick Niles, The MITRE Corporation
08:45 – 09:15 am	Extending Wide Area Augmentation System Service into Central and South America	Deihim Hashemi and Daniel O’Laughlin, The MITRE Corporation
09:15 – 09:45 am	Traffic Information Service - Broadcast (TIS-B): Calculation of Navigation Accuracy Category for Position and Velocity Parameters	Roxaneh Chamlou, The MITRE Corporation
09:45 – 10:00 am	BREAK	
10:00 – 10:30 am	Integrated GPS/Loran Prototypes for Aviation Applications	G. Linn Roth, Locus, Inc. and Mitchell Narins, Federal Aviation Administration
10:30 – 11:00 am	Development of Global Positioning System Prediction Tools to Support Flight Planning	Karen Van Dyke, Jon Parmet and Jayne Rossetti, DOT Volpe Center
11:00 – 11:30 am	INS/GPS/Odometer Integrated Navigation System and Adaptive Federated Filter	Bing-Fang Chen and Bin Wu, Beijing Institute of Tracking & Telecommunications Technology
11:30 – 12:00 pm	New Inertial Sensor for Aviation Navigation Application	John Jackson, Alton Highsmith, R. K. Pandey and L. T. Wurtz, The University of Alabama
12:00 – 01:00 pm	LUNCH	
01:00 – 01:30 pm	Effectiveness of the Automatic Dependent Surveillance – Broadcast (ADS-B) Ground Based Transceiver (GBT) Parrot System in Alaska	Young Lee, Chris Moody and James Reagan, The MITRE Corporation
01:30 – 02:00 pm	Short Baseline Interferometry for Precision Landing	Leonard Schuchman and Richard Orr, Satel
02:00 – 02:45 pm	BREAK	
Session C2 – Spectrum Session Chair: Frank Box, The MITRE Corporation		
02:45 – 03:15 pm	A Survey of Possible Methods for Mitigating the Impact of Radio Frequency Interference on Satellite Navigation Systems Used for Precision Approach	James Carroll, U.S. Department of Transportation/Volpe Center
03:15 – 03:45 pm	Test Plan: Measurements of the Effects of UWB Devices on Aircraft Avionics	James Hollansworth, NASA Glenn Research Center and Jay Ely, NASA Langley Research Center
03:45 – 04:15 pm	Frequency Spectrum for New Aviation Data Links: Initial Study Results	David Matolak, Ohio University and James Branstetter, Federal Aviation Administration
04:15 – 04:45 pm	Minimizing Interference in Dense Packaging Environments	Michael Violette and Steve Ferguson, Washington Laboratories, Ltd
04:45 – 05:15 pm	Nationwide Capacity of a Digital Air/Ground Radio System for Air Traffic Services	Frank Box, Philip Long and Richard Snow, The MITRE Corporation

Thursday, April 29, 2004 – Track 2		
07:15 – 08:15 am	Registration/Continental Breakfast	
Session C3 – IP Based Transition for Aviation Session Chair: Chris Wargo, CNS, Inc.		
08:15 – 08:45 am	Status of IPv6 in Industry	Waseem Naqvi, Raytheon
08:45 – 09:15 am	IPv6 Test Bed for Testing Aeronautical Applications	Ryan Wilkins, Infinite Global Infrastructures, Chris Dhas, Computer Networks & Software, Inc. and Michael Zernic, NASA Glenn Research Center
09:15 – 09:45 am	Aviation and IPv6	Sachin Lal, Anil Kumar, Computer Networks & Software, Inc. and Manu Khanna, Comptel, Inc.
09:45 – 10:00 am	BREAK	
10:00 – 10:30 am	IPv6, Mobile IP, and Ad Hoc Technologies in Aeronautical Telecommunications Network: Putting the Pieces Together	Hussein Ali and Robert Rushing, Planning Systems, Inc.
10:30 – 11:00 am	Architectural Issues with the Use of IPSec	Ruben Bigio, Federal Aviation Administration, Jamie Chappell, Luoping Liu, BCI, Vic Patel, William J. Hughes FAA Technical Center, Jim Simpkins and Simon Blake-Wilson, BCI
11:00 – 11:30 am	IP Based Air-Ground Datalinks	Jocelyn Descaillot, SITA
11:30 – 12:00 pm	IMT-2000 Satellite Standards with Applications to Mobile Air Traffic Communications Networks	Mohammed Shamma, Analex Corporation
12:00 – 01:00 pm	LUNCH	
01:00 – 01:30 pm	A Common Mobility Solution for ATN OSI and Internet Protocol Stacks	Tom McParland, BCI (Cancelled)
01:30 – 02:00 pm	Communication and the Future of Air Traffic Management	Mary Ellen Miller and Steven Dougherty, Raytheon
02:00 – 02:30 pm	Next Generation Datalink Applications	Peter Grogan, ARINC
02:30 – 02:45 pm	BREAK	
Session C4 – SWIM Session Chair: Cal Ramos, NASA Glenn Research Center		
02:45 – 03:15 pm	Net-Centric Strategy	Tim Wallace, Federal Aviation Administration
03:15 – 03:45 pm	System Wide Information Management (SWIM) Architecture Development	Zhenyi Jin, Tricia Gilbert, Stephen Henriksen, ITT Industries and Joshua Hung, Federal Aviation Administration
03:45 – 04:15 pm	System Wide Information Management Prototyping Activities	Duane Harkness, Avaliant LLC and Paul Comitz, Boeing Air Traffic Management
04:15 – 04:45 pm	System-Wide Information Management for Aeronautical Communications	Mark Taylor, The Boeing Company
04:45 – 05:15 pm	System Wide Information Management (SWIM) for Global Air Traffic Management (ATM)	Leon Sayadian and Eric Weill, Federal Aviation Administration

Thursday, April 29, 2004 – Track 3

07:15 – 08:15 am	Registration/Continental Breakfast	
Session C5 – Airborne Internet Session Chair: James Meer, Microflight		
08:15 – 08:45 am	Airborne Internet/Collaborative Information Environment: Societal Trends Make <i>NOW</i> the Right Time to Create the “Network In The Sky”	Ralph Yost, William J. Hughes Technical Center
08:45 – 09:15 am	A Data Communications Concept for a SATS Scenario	James Hurlburt and Thomas Mulkerin, Mulkerin Associates Inc.
09:15 – 09:45 am	Transformational Cost Reduction for Airborne Broadband	William McNary, Aerosat
09:45 – 10:00 am	BREAK	
10:00 – 10:30 am	Next Generation Datalink for General Aviation	James Branstetter, Federal Aviation Administration
10:30 – 11:00 am	Electronic Flight Bags	Joe Burns, United Airlines
11:00 – 11:30 am	Mobi-Web: Bandwidth Management for a Mobile Collaborative Information Environment	Noel Schmidt, ATC Corporation
11:30 – 12:00 pm	Airborne Internet Consortium Developments	Jim Meer, Microflight and Paul Masson, STARNet, LLC
12:00 – 01:00 pm	LUNCH	
Session C6 – Demonstrations Session Chair: Michael Zernic, NASA Glenn Research Center		
01:00 – 01:30 pm	Global Communications, Navigation and Surveillance System (GCNSS) Flight Demonstrations	Robert Oxborrow, Boeing Company (presented by Robert Struth)
01:30 – 02:00 pm	Mobile Router Testing with Diverse RF Communications Links	David Brooks, Infinite Global Infrastructures, Doug Hoder, NASA Glenn Research Center and Ryan Wilkins, Infinite Global Infrastructures
02:00 – 02:30 pm	Passive Wake Acoustics Measurements at Denver International Airport	Frank Wang, Hadi Wassaf, John A. Volpe National Transportation Systems Center, Robert Dougherty, OptiNav, Inc., Kevin Clark, Andrew Gulsrud, John A. Volpe National Transportation Systems Center, Neil Fenichel, Microstar Laboratories, and Wayne Bryant, NASA Langley Research Center
02:30 – 02:45 pm	BREAK	
02:45 – 03:15 pm	Alaska's Capstone Program - Systems Engineering for Communication, Navigation and Surveillance	Daniel Stapleton and James Cieplak, The MITRE Corporation
03:15 – 03:30 pm	Aircraft in the Future ATM System	Pierre Depape, Airbus
03:30 – 04:00 pm	Overview of NASA Glenn Aero/Mobile Communication Demonstrations	David Brooks, Infinite Global Infrastructures, Doug Hoder, NASA Glenn Research Center and Ryan Wilkins, Infinite Global Infrastructures
04:00 – 04:30 pm	Mobile IP Demonstration	William Ivancic, NASA Glenn Research Center

Friday, April 30, 2004

07:15 – 08:15 am	Registration/Continental Breakfast	
Workshop Breakout Sessions (Break 10:00 – 10:15 am)		
08:15 – 08:30 am	Workshop Opening	Robert Kerczewski, NASA Glenn Research Center
08:30 – 12:00 pm	Certification	Lance Sherry, George Mason University and Leonard Schuchman, Satel, LLC
08:30 – 12:00 pm	Improving VHF Spectrum Utilization	Monty Andro, NASA Glenn Research Center
08:30 – 12:00 pm	System Wide Information Management (SWIM)	Shirley McGowan and Michael Hritz, Federal Aviation Administration and Cal Ramos, NASA Glenn Research Center
08:30 – 12:00 pm	Multifunction Avionics	Marty Pozesky, MTP Associates and James Budinger, NASA Glenn Research Center
08:30 – 12:00 pm	Weather Information Communications	Mike Jarrell, NASA Glenn Research Center and Thomas Tanger, Ohio Aerospace Institute
08:30 – 12:00 pm	A Global Solution for the Future ATC Communications System	Brent Phillips, Federal Aviation Administration and Robert Kerczewski, NASA Glenn Research Center