Welcome

May 4-6, 2010

AIXM/WXXM Conference | 2010

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Aeronautical Information Management (AIM)
Federal Aviation Administration

2nd Annual AIXM/WXXM Conference

- ***<u>Digital Convergence on the Common Operating Picture</u>***
  - How do we put together the data we have?
  - How do we use that fused data?

Keynotes

- Steve Bradford
  - NextGen Chief Scientist for Architecture, FAA
- Dennis Hart
  - Aviation Meterorology Expert

Conference Objectives

- Inform
  - AIXM Change Control
  - AIXM/WXXM Interoperability
- Feedback
  - Implementations and Lessons Learned
  - Questions
- Bring vendors, implementers, and operators together

The Growing Communities

- More than 300 registrants
- Attendees from 23 Countries
- AIXM Forum
  - Members from 88 Countries
  - Averaging 9 messages/week

AIXM Outreach

- Have held 5 Developer's Seminar's
  - Covered
    - Implementation Specifics
    - Event scenario (NOTAM) development
- Intend to continue seminars both here and in Europe
  - Procedure Encoding (tentatively Sept in Brussels)

WXXM Outreach

- Increasing participation from the weather community in Technical Interchanges

- ICAO and WMO have recognized the value of the weather information exchange model

- Established the MET-Ocean Domain Working Group in OGC

Exhibits

- Please visit on our breaks
- Lunch-hour availability of each exhibit is up to each exhibitor
- Hours
  - 8-5:30 Tuesday & Wednesday
  - 8-1 Thursday

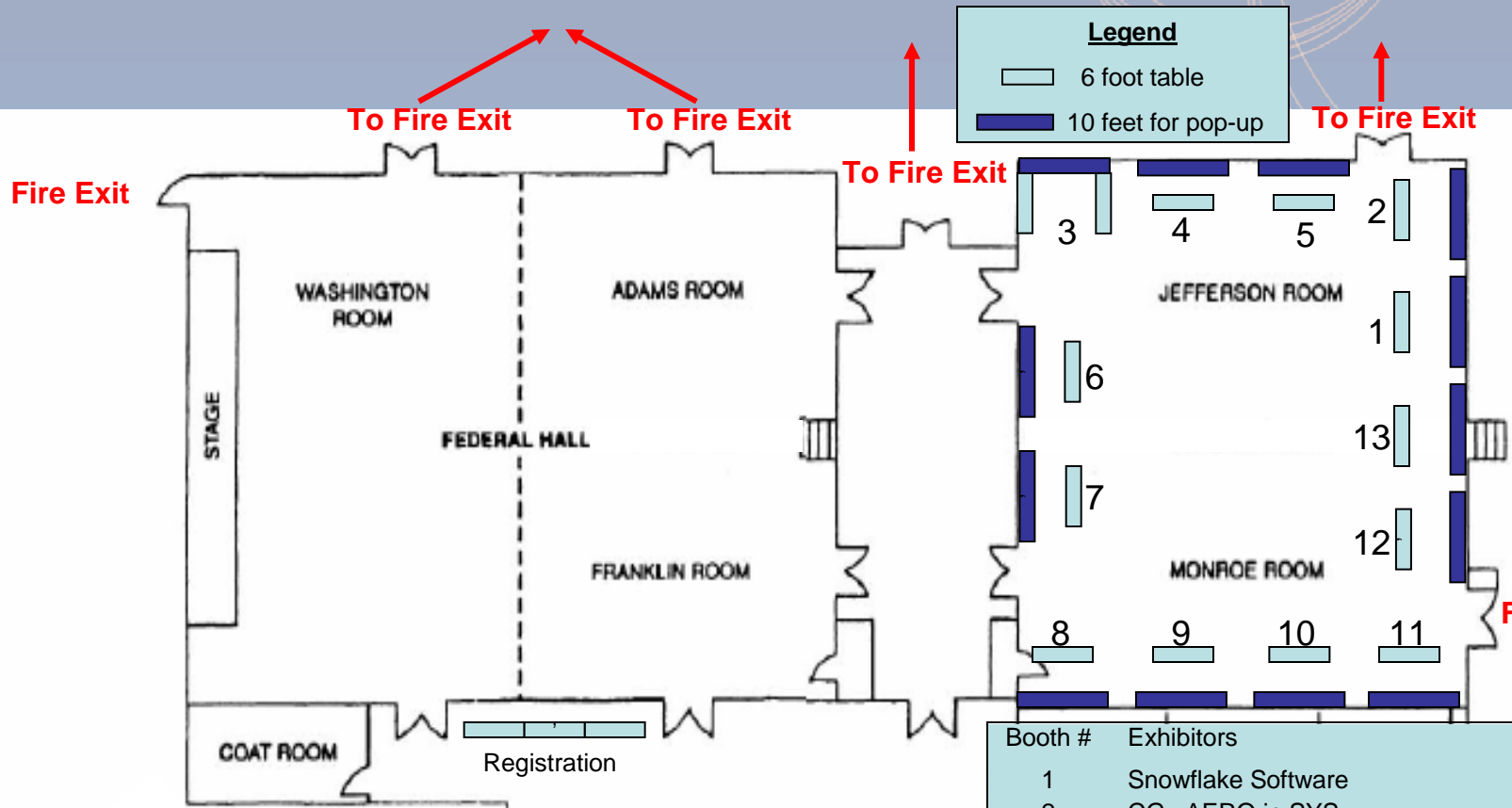| Booth	Exhibitors
1	Snowflake Software
2	CGx AERO in SYS
3	NCAR
4	Federal Aviation Adminstration
5	AvMet Applications
6	Frequentis USA
7	CGH Technologies, Inc.
8	China Eastern Airlines
9	Morcom International
10	NOAA ESRL/GSD
11	ICAO
12	Luciad & Terra Pixel Corp
13	ESRI

Logistics

In Case of Emergency

- Dial 9 to get to an outside line (9-911)
- Nearest hospital
  - The George Washington University Hospital
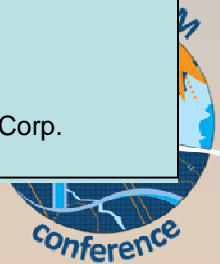 - 900 23rd St NW, Washington, DC

Legend

☐	6 foot table
▬	10 feet for pop-up

To Fire Exit **To Fire Exit** **To Fire Exit** **To Fire Exit**

Fire Exit

WASHINGTON ROOM

ADAMS ROOM

JEFFERSON ROOM

3 4 5 2

STAGE

FEDERAL HALL

6

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7

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12

FRANKLIN ROOM

MONROE ROOM

COAT ROOM

Registration

8 9 10 11

Fire Exit

DRIVE ENTRANCE

Fire Exit

To Rest Rooms

LOBBY LEVEL

Washington Plaza Hotel

Booth #	Exhibitors
1	Snowflake Software
2	CGx AERO in SYS
3	NCAR
4	Federal Aviation Administration
5	AvMet Applications
6	Frequentis USA
7	CGH Technologies, Inc.
8	China Eastern Airlines
9	Morcom International
10	NOAA ESRL/GSD
11	ICAO
12	Luciad & Terra Pixel Corp.
13	ESRI

Internet Access

- Select "dlink" from the Wi-Fi networks
- Open a browser and follow the instructions

Breaks and Lunch

- A list of restaurants has been mailed to registrants and a printout is available at the desk

Thank you

- Eric Large, Jerry Fishow
  - TASC

- Dan Gerecht
  - AIM Business Manager

Agenda

Day 1: Plenary Sessions 8:15-10

- *Welcome,* Navin Vembar

- *Keynote,* Dennis Hart

- *Management of Information in NextGen,* Steve Bradford

- Coffee Break 9:45-10:00

Day 1: Plenary Sessions 10-1

- Benefits of Standards and Digital Information
  - *Need for Global Standards*, Michael Holm
  - *AIS/AIM Working Group*, Marvin Hoffman
  - *Weather Operational Implementation,* Dave Pace
  - *The 4-D Weather Cube*, Tom Ryan

- Lunch 12-1

Day 1: Plenary Sessions 1-2:55

- *Benefits of Standards in SWIM,* Jeff Hobbs
- *AIS & MET Database & Datalink Standards Development,* Garret Livack & Stephane Dubet
- *Benefits of OGC Standards*, George Percivall

- Coffee 2:40-2:55

Day 1: Plenary Sessions 2:55-4:10

- *AIXM Change Management,* Navin Vembar

- *What the Future Holds,* Pierre Truter

Day 2: Breakouts 8-9:45

- *AIXM*
  - *Airports GIS,* Joe Norton
  - *SAA Modernization and AIXM,* Kevin Lew
  - *Standard Operating Procedures and Letters of Agreement,* Jim Baney

  - Coffee 9:30-9:45

- *Weather*
  - *Encoding of FAA CIWS and ITWS Products using WXXM,* Oliver Newell
  - *Serving WXXM Data in Real-time,* Kajal Claypool
  - *Building the NNEW Weather Ontology,* Kelly Moran

Day 2: Breakouts 9:45-11:15

- *AIXM*
  - *European Operational Activities,* Eduard Porosnicu
  - *Digital NOTAMs (Scenarios)*, Shaelynn Hales
  - *NGA Use of AIXM*, John Leicht

- *Weather*
  - *Climate Science Modeling Language*, Oliver Newell
  - *Efficient XML and Weather: A Case Study*, Aaron Braeckel
  - *BISO Metadata for In-Situ Observation*, Ted Habermann

- Lunch 11:15-12:30

Day 2: Breakouts 12:30-1:30

- *AIXM*
  - *Standards: GML and AIXM,* David Burggraf
  - *Digital NOTAMs (Technical Implementation),* Vinod Vallikat

- *Weather*
  - *Guidance TAFs Service by an NNEW Web Feature Service,* Matt Peroutka
  - *NWS Forecast Grids Served by an NNEW Web Coverage Service,* Steve Olson

- Coffee 1:30-2

Day 2: Joint Sesions 2:00-4:00

- *Technical Interchange,* Alison Moore
- *Integration of Lido Solutions with AIXM and Digital NOTAM,* Christian Grothe
- *The WXXM Modeling Process: UML to Fullmoon to GML*, Kajal Claypool

Day 3: Plenary Sessions 8-9:45

- *Open Discussion,* Led by Navin
  - Put your questions in the box at the entrance!
- *Future Possibilities: Merging AIXM and WXXM*, Navin Vembar

- *Implementation of AIXM 5.1 and Digital NOTAM - integration into Lockheed Martin's FltWind*– Mourad Trabelsi

- Coffee 9:30-9:45

Day 3: Plenary Sessions 9:45-12:45

- OWS-7
  - *Overview of OWS-7 Aviation,* Nadine Alameh
  - *Event Architecture, AIXM Metadata, and Code Lists,* David Burggraf
  - *WFS-T for AIXM and Support for OWS-7 Scenarios,* Ian Painter & Debbie Wilson
  - *Dispatch Client App and Lessons Learned,* Hannes Brunner
  - *EFB Client App and Lessons Learned,* Mourad Trabelsi
  - *WXXM in OWS-7,* Bruno Simmenauer

- Lunch 11:45-12:45

Day 3 Plenary Sessions 1:15-2:30

- *What the Future Holds for AIM*, Brett Brunk

- *Looking Forward: WXXM 2.0*, Aaron Braekel

- *Closing,* Navin Vembar

Question Protocol

- Questions will be answered after the presentations are complete
  - Please your hand and a runner will bring you a microphone
- There will be a questionnaire distributed daily for any comments or suggestions
- Any time in the next two days, please add questions about AIXM or WXXM for the Open Session on the morning of Day 3

Let's Begin